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WEATHER & CROPS

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ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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National Weather Service, USDC

Released: APRIL 29, 1977

SUMMARY OF 1976 ILLINOIS WEATHER

1976 was a dry and cold year as precipitation averaged 10.22 inches below normal in Illinois while the temperature averaged 1.5 degrees below normal (annual average precipitation is 38.02 inches and the annual average temperature is 53.0 degrees). Ten months had below-normal precipitation with the last month being the driest of the year. The Northwest District set a new record as being the driest since official records began 35 years ago. Temperaturewise, the Northwest, Northeast and West Districts were the coldest in the 35-year record history. The Southwest was the second coldest in 35 years.

Precipitation was extremely light during January with only trace amounts being recorded in many areas. The next two months were above normal in the northern two-thirds of the State while the southern portions remained drier than normal. For many districts the next nine months recorded below-normal precipitation. August and September were very dry with rainfall amounts improving by October. November and December were the driest months of the year as district averages were less than 1 inch.

January started with average temperatures 8 to 11 degrees below normal. Although the below-normal period continued into the first week of February setting new low-temperature records, by mid-month readings were running 12 to 19 degrees above the norm. February was the warmest month of the year seasonally, and was followed by two more months of above-average temperatures. Several new high-temperature records were set in February, and by March the Southwest District recorded the warmest March on record. Freezing night-time temperatures occurred during the first half of April, but new high-temperature records were set in the latter half. May and June both were below normal. However, the northern districts recorded normal temperatures during June followed by an above-normal July in many areas. August through the end of the year recorded below-normal temperatures with October and November recording the lowest monthly departures. New low-temperature records were recorded in the northern areas during September as frost was reported. The North recorded the coolest October in 50 years while several areas around the State reported the coolest November in nearly 100 years. New low-temperature records were set during November as night-time readings dropped below the zero mark. Day-time readings during the first half of December failed to climb above the freezing mark in the extreme North while night-time temperatures fell to as much as 15 degrees below zero. New low-temperature records were set during this month.

Only two months of the period April through October were above normal in temperature while precipitation was below normal during this entire period over many districts. Average temperature departures ran as much as 16 degrees above normal in the latter half of April giving an early start to some crops. However, freezing temperatures in the last week of the month and the first week in May slowed crop growth. The southern sections recorded the driest April in the 35 years of official record-keeping. Two inches of rain fell on the South in May as the Southeast District received slightly above-normal rainfall. Rains in the North caused local flooding of low-lying fields. Localized floods were common in June as heavy rains deluged several areas with as much as 6 inches of rain. Timely rains during July aided crops as up to 5 inches fell on several areas. However, the precipitation averages for July stayed below normal in many districts. Temperatures of 100 degrees were common in Illinois for short periods of time during July. This brought the monthly average temperatures slightly above normal in many sections. August through October was below normal in temperature throughout the State with October being the coolest month of the year. Frost was recorded in the North during September and by October the entire State reported frost. Widely-scattered rains at the end of September deluged local areas with 2 inches of rain in a 24-hour period. Near-normal precipitation fell over the northern areas in October while the South recorded above-normal amounts.

Five separate snows fell on the State during the first two months of the year. Snow did not return to Illinois until late October. Most districts received snow during November, the heaviest (3 to 4 inches) covering the northwest section and four separate snows (1 to 3 inches) fell on the State in December.

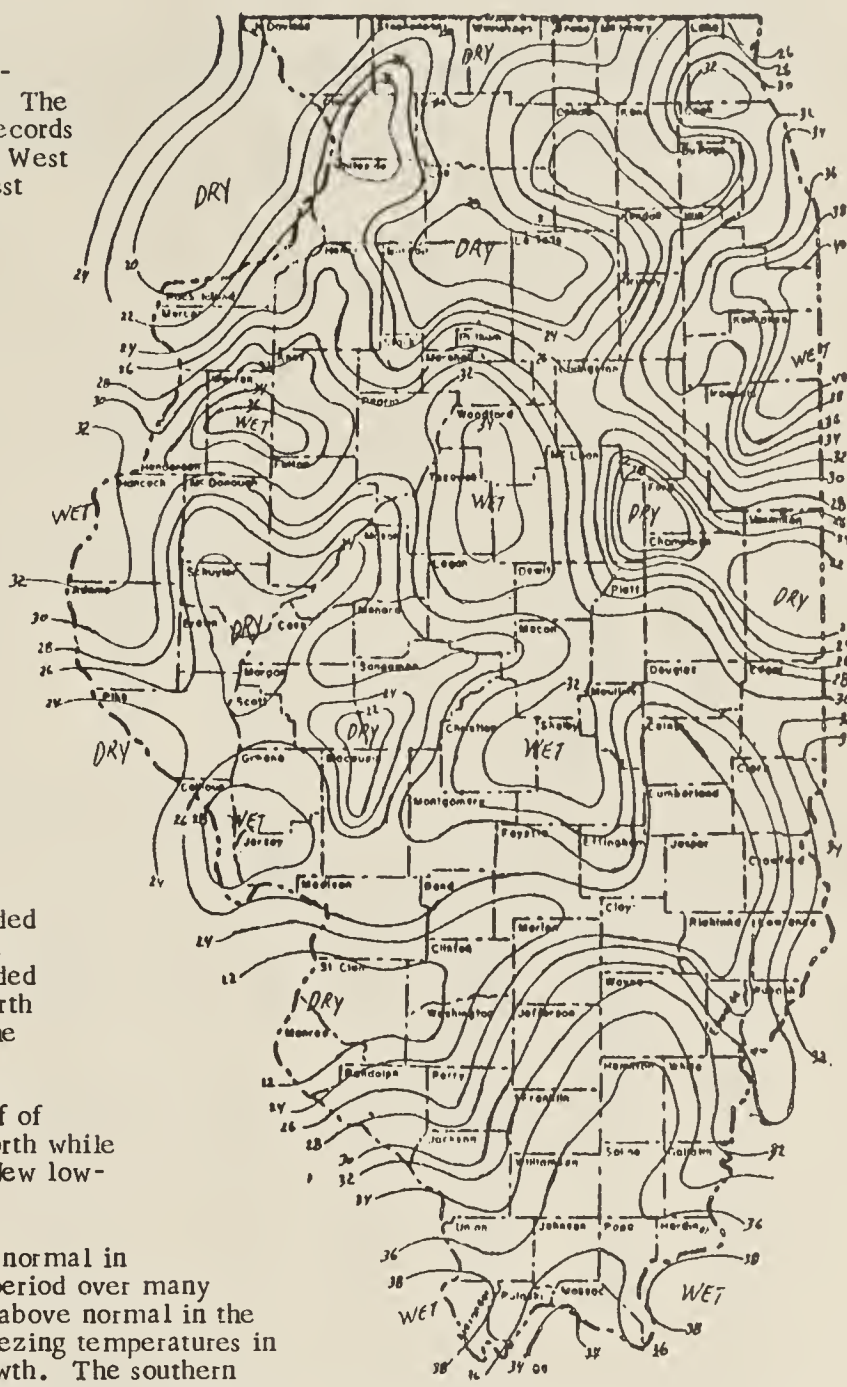
Twenty-seven tornadoes struck Illinois during 1976, down from the 46 tornadoes that were reported in 1975. Tornadoes were recorded during seven months with March having the most. Severe hailstorms caused crop damage during the summer but were confined to localized areas in the central sections.

1976 - Illinois Annual Average Temperature by District and Departure from Normal (Averages 1941-70)

	NW	NE	W	C	E	WSW	ESE	SW	SE
Average Annual Temperatures	47.4	47.8	51.0	50.7	49.8	52.4	52.4	54.6	54.7
Departures from Normal	-2.1	-2.0	-1.2	-1.4	-1.8	-1.7	-1.8	-2.2	-2.0

- OVER -

1976 TOTAL ANNUAL PRECIPITATION
(INCHES - WATER EQUIVALENT)



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DEPARTMENT OF AGRICULTURE
STATISTICAL REPORTING SERVICE
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		Precipitation departures (inches) -									
		Temperature departures (degrees Fahrenheit) -									
Pre-season 1/	1975	+1.5	+3.2	+2.4	+1.7	+2.3	+3.7	+2.6	+2.9	+6.8	
	1976	+0.9	+3.7	+1.4	+1.6	+0.8	-2.0	-3.8	-6.9	-3.6	
Growing season 2/	1975	-3.5	+1.3	-0.4	+1.9	+2.9	+0.8	+1.1	+0.6	0.0	
	1976	-7.7	-4.2	-5.8	-3.2	-1.9	-8.0	-5.3	-4.0	-1.3	
May	1975	+3	+3	+3	+3	+3	+2	+3	+2	+3	
	1976	-4	-4	-3	-3	-3	-4	-4	-5	-5	
June	1975	+1	+1	0	+1	+1	0	0	0	0	
	1976	0	+1	-1	0	0	-2	-2	-3	-3	
July	1975	-1	0	-1	-2	-2	+1	-2	-1	-1	
	1976	0	0	+1	0	-1	+1	0	-1	-1	
August	1975	+1	+1	+1	+1	+2	+1	+1	0	0	
	1976	-3	-3	-3	-4	-3	-3	-4	-4	-4	
September	1975	-5	-4	-4	-4	-4	-5	-4	-5	-5	
	1976	-3	-2	-2	-2	-3	-2	-3	-3	-3	
1/ October of previous calendar year through April. 2/ May through September.											

District and year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Northwest	1.63	1.23	2.43	3.71	3.87	4.37	4.13	3.35	3.68	2.70	2.09	1.76	34.96
Normal	3.66	1.54	2.51	3.71	9.09	7.44	1.97	2.52	1.32	2.10	2.58	1.69	40.13
1974	1.88	2.11	2.76	3.91	3.08	4.09	2.51	4.23	1.95	0.79	3.07	1.77	32.15
1975	0.59	1.18	4.80	4.28	3.67	2.17	2.41	1.44	2.00	2.42	0.44	0.33	25.73
1976	1.81	1.45	2.61	3.71	3.68	4.10	3.84	3.04	3.31	2.56	2.16	1.93	34.10
Normal	3.42	2.10	2.60	4.28	6.78	5.83	2.96	1.83	1.77	2.84	2.05	2.05	38.76
1974	3.14	2.29	2.05	5.33	4.85	5.45	2.32	1.38	1.91	3.03	2.54	2.54	39.49
1975	0.98	1.74	6.65	4.05	4.14	2.80	3.10	1.71	1.93	2.11	0.53	0.57	29.31
West	1.75	1.47	2.79	4.03	3.98	4.89	3.47	3.84	3.03	1.94	1.78	37.07	
Normal	3.18	1.39	3.68	3.57	7.81	6.18	3.05	3.24	1.44	2.14	3.68	2.29	41.65
1974	1.76	2.89	2.36	4.06	5.45	3.86	2.26	4.35	3.92	1.52	2.89	1.99	37.31
1975	0.73	1.96	4.33	4.75	3.75	1.68	3.15	3.41	2.45	3.44	0.41	0.28	30.34
Central	1.86	1.62	2.75	4.24	3.97	4.28	3.67	3.15	3.45	2.76	2.23	2.07	36.05
Normal	2.99	2.04	3.21	3.57	7.24	7.67	2.39	1.46	1.68	2.90	2.04	2.04	39.74
1974	3.26	2.69	1.79	3.90	4.00	4.17	4.03	3.01	2.98	2.39	2.08	2.08	39.51
1975	0.89	2.68	4.94	3.17	4.11	3.15	3.55	2.12	2.35	2.50	0.62	0.32	30.40
1976	1.85	1.76	2.71	4.13	4.17	4.14	4.01	2.90	3.02	2.81	2.34	2.09	35.92
Normal	2.99	2.48	3.79	3.56	7.12	6.23	1.52	3.99	2.79	1.53	3.61	2.40	42.01
1974	4.04	2.46	2.19	3.78	3.52	5.20	3.26	6.65	2.51	1.80	3.19	2.53	41.13
1975	1.13	3.32	4.69	1.92	3.89	6.09	3.13	1.30	2.94	2.38	0.78	0.29	30.76
West Southwest	1.83	1.92	2.91	3.98	4.21	4.01	3.77	3.29	3.33	2.95	2.53	2.02	37.32
Normal	3.88	3.44	3.23	3.97	6.48	4.65	1.34	5.86	2.90	1.45	3.50	1.95	42.65
1974	4.63	3.26	2.82	4.25	4.94	4.10	2.63	4.30	3.99	1.48	2.74	2.23	41.37
1975	0.85	2.33	5.18	1.31	2.99	1.79	1.97	2.73	1.65	4.27	0.82	0.40	26.29
East Southeast	2.55	2.36	3.40	4.00	4.42	4.54	3.69	2.99	3.15	2.77	3.16	2.69	39.72
Normal	3.58	2.80	4.29	4.49	8.26	5.19	1.07	5.68	4.73	1.75	2.73	2.46	47.03
1974	4.57	3.73	4.31	3.99	4.66	3.49	4.13	2.69	2.11	3.23	3.23	3.23	45.03
1975	1.33	1.99	4.25	1.03	3.16	2.20	3.97	1.72	2.42	3.87	0.55	0.42	26.91
Southwest	3.02	2.94	4.10	4.19	4.62	4.32	3.58	3.65	3.42	2.85	3.33	3.04	43.06
Normal	3.53	2.50	4.56	4.40	5.32	3.20	0.91	6.12	2.95	1.47	3.58	2.16	41.70
1974	4.40												
1975	4.40												
1976	1.27	1.84	3.37	1.91	3.39	3.96	5.19	1.26	1.84	3.99	0.59	0.80	29.41
Southeast	3.37	3.09	4.39	4.31	4.68	4.24	3.83	3.36	3.14	2.76	3.49	3.31	43.95
Normal	3.85	2.10	4.03	4.02	5.93	4.35	1.32	7.35	4.42	1.91	4.46	3.22	46.96
1974	4.18	4.74	7.23	5.74	3.96	2.34	4.26	5.95	2.76	2.54	4.44	4.18	52.32
1975	1.75	2.78	3.29	2.11	4.65	5.12	4.53	0.81	2.81	3.83	0.94	0.72	33.34
1976													
Precipitation and temperature departures from normal (averages for 1941-70), Illinois by districts, selected periods, 1975 and 1976	Period	Year	NW	NE	W	C	E	WSW	ESE	SW	SE		

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Released: MAY 5, 1978

SUMMARY OF 1977 ILLINOIS WEATHER

Illinois averaged above normal in precipitation in every district during 1977 and slightly below normal in temperature in most sections. The state as a whole received 4.08 inches above normal precipitation during the year, while the temperature averaged one degree below normal. Five months out of the year recorded above normal precipitation in many districts, and temperatures were above normal during six months. The central sections received the heaviest amounts of precipitation, which was partly due to a record-breaking rainfall in August. Precipitation in the southern areas were the lightest (but still above normal). Temperaturewise, January averaged 17 degrees below normal and went down in history as one of the coldest January's ever recorded. March, on the other hand, recorded the highest temperature departures of the year.

Precipitation continued below normal in most districts during the first two months of 1977. Heavy rains in March finally broke an 11-month dry spell. During the last week in March, up to 7 inches of rain deluged parts of the south causing low-lying areas to look like lakes. The next 4 months were below normal in almost every district of the state, but periods of heavy rains caused flooding in localized areas. Very heavy rains were common in August setting an above-normal precipitation trend that lasted through October. November was only slightly below normal in many sections. Three inches of rain fell in the western district during this month which caused the area to be above normal. December was slightly above normal with the heaviest precipitation falling in the south.

Temperatures were below normal during January and February and many new minimum temperature records were set in many sections of the state. Day-time readings in the north failed to reach the freezing mark in the first six weeks of 1977. The next three months averaged well above normal with new maximum temperature records set. Eighty-degree readings were common in April as some northern sections reported this to be the fourth warmest April in history. The first week of June was very warm with 100-degree readings common and new maximum records set. Then a cool period developed and lasted until July when 100-degree temperatures once again returned to much of the state and again setting new maximum temperature records. This warm period lasted into mid-August when a cool period sent temperatures below normal. Above-normal readings (mainly in the south) returned during September. Below-normal temperatures occurred during October which was followed by an above-normal November. Temperature departures during this month were as much as 16 degrees above normal (these were the highest departures since May). A cool period returned in December as temperature departures ran 14 to 21 degrees below normal (which were the lowest departures since January 1977). However, the year ended with temperatures climbing above normal.

The first two months of the 1977 growing season (April through May) were above normal in temperature, while the first four months of this season were below normal in precipitation in most sections. Temperature departures were as much as 21 degrees above normal during mid-April. However, two cool periods in April sent the mercury below the freezing mark in many areas. Freezing temperatures also occurred in May in the north which slowed crop growth while damaging others. The first part of April was dry. After mid-month, heavy showers deluged the southern districts with up to 4 inches of rain. In May, 1 to 2 inches of rain during a 24-hour period caused rather severe flooding in the central district. Both temperature and precipitation was below normal in June while July was warm and dry. Hail, 2 inches deep, caused crop damage in the north during June, and in July a local thunderstorm flooded the Rockford area with 8 inches of rain in a 3-hour period. Up to 5 inches deluged parts of the south during July. August was cool but very wet as the entire state recorded above-normal rains which resulted in flooding of local areas. Above-normal precipitation continued through the end of the growing season with local flooding occurring in September in many low-lying areas. Temperatures averaged slightly above normal in September, but a cool October brought freezing minimum temperatures to most districts by mid-month thus bringing an early end to the Illinois growing season.

Record snowfalls fell in January in most of the state (the water equivalent of the snow was well below normal) with near blizzard condition occurring in the northern half on the 27th. Two snowfalls fell in February on the northern sections, while a 4-inch snow covered the north during March. A 1-inch snow fell on the central sections during the first week of April. Two separate snowfalls in November each blanketed much of the state with 4 to 6 inches. December was a snowy month with four separate snowfalls. Ten inches of snow fell on the northeast district (near Lake Michigan) on the 20th. Other districts received 2 to 7 inches from different snowstorms during the month with up to 4-foot drifts occurring on the 8th.

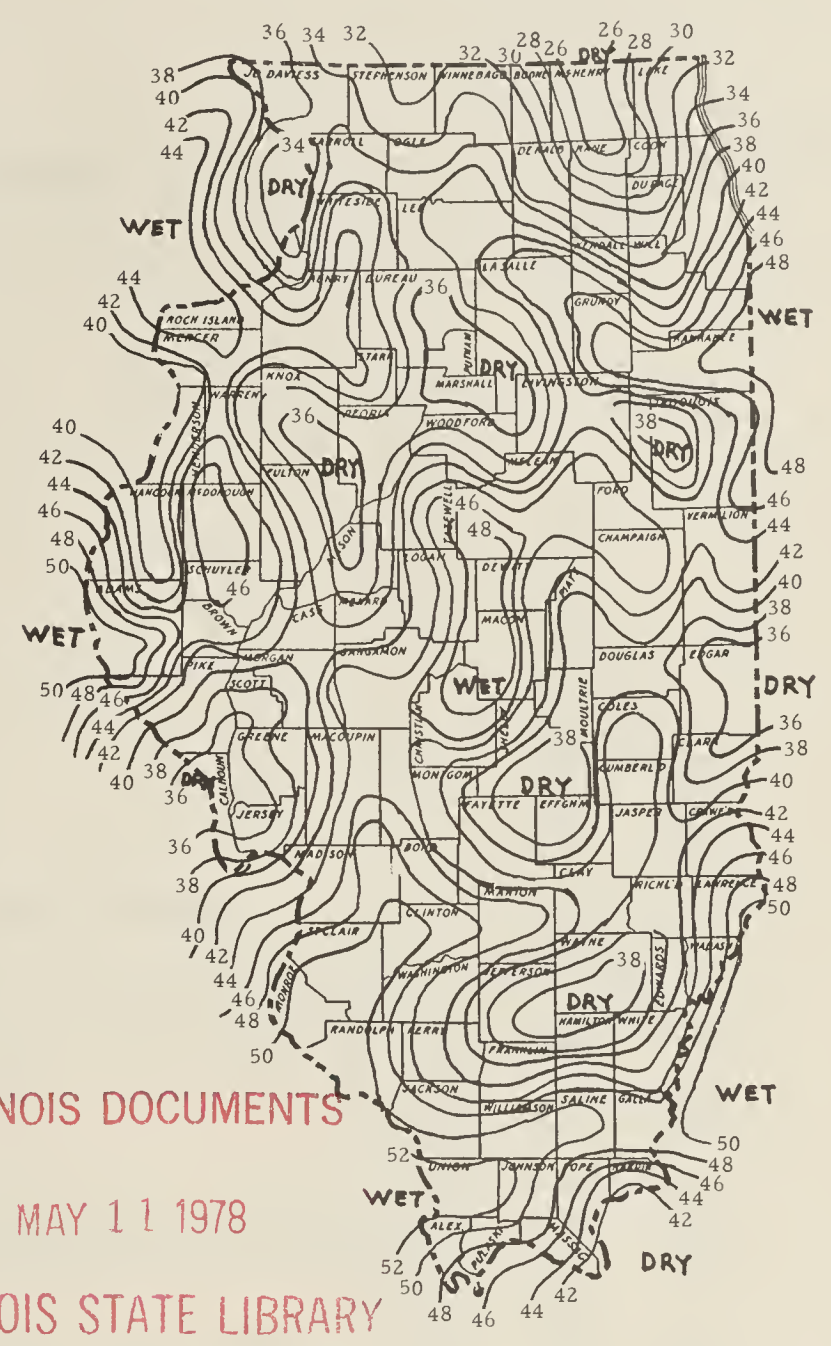
A total of 33 tornadoes struck the state during 1977. This total is up from the 27 recorded during 1976. August was the most active and the most destructive month with 20 tornadoes occurring (two struck the eastern district killing six persons).

1977 - Illinois Annual Average Temperature by District and Departure from Normal (Averages 1941-70)

	NW	NE	W	C	E	WSW	ESE	SW	SE
Average Annual Temperatures	49	49	52	52	51	53	53	56	56
Departures from Normal	-1	-1	0	0	-1	-1	-1	-1	-1

- OVER -

1977 TOTAL ANNUAL PRECIPITATION (INCHES - WATER EQUIVALENT)



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Precipitation, Illinois by districts, monthly, normal (averages for 1941-70) and 1975-77

District and year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Northwest	1.63	1.23	2.43	3.71	3.87	4.37	4.13	3.35	3.68	2.70	2.09	1.76	34.95
Normal	1.88	2.11	2.76	3.91	3.08	4.09	2.51	4.23	1.95	0.79	3.07	1.77	32.15
1975	1.88	2.11	2.76	3.91	3.08	4.09	2.51	4.23	1.95	0.79	3.07	1.77	32.15
1976	0.59	1.18	4.80	4.28	3.67	2.17	2.41	1.44	2.00	2.42	0.44	0.33	25.73
1977	0.58	0.81	4.65	2.06	2.68	3.65	4.44	7.15	4.80	4.19	3.00	1.48	39.49
Northeast	1.81	1.45	2.61	3.71	3.58	4.10	3.84	3.04	3.31	2.56	2.16	1.93	34.10
Normal	3.14	2.29	2.05	5.33	4.85	2.32	5.20	1.38	1.91	3.03	2.54	2.54	39.49
1975	3.14	2.29	2.05	5.33	4.85	2.32	5.20	1.38	1.91	3.03	2.54	2.54	39.49
1976	0.98	1.74	5.65	4.05	4.14	2.80	3.10	1.71	1.93	2.11	0.53	0.57	29.31
1977	0.59	0.58	3.90	2.70	2.62	4.13	3.40	6.02	6.47	2.83	2.12	1.89	37.25
West	1.75	1.47	2.79	4.03	3.98	4.89	4.09	3.47	3.84	3.03	1.94	1.78	37.06
Normal	1.76	2.89	2.36	4.06	5.45	3.86	2.26	4.35	3.92	1.52	2.89	1.99	37.31
1975	1.76	2.89	2.36	4.06	5.45	3.86	2.26	4.35	3.92	1.52	2.89	1.99	37.31
1976	0.73	1.96	4.33	4.75	3.75	1.68	3.15	3.41	2.45	3.44	0.41	0.28	30.34
1977	1.20	0.90	4.62	1.69	3.32	2.61	3.05	9.42	7.18	5.52	3.16	1.53	44.20
Central	1.86	1.62	2.75	4.24	3.97	4.28	3.67	3.15	3.45	2.76	2.23	2.07	36.05
Normal	3.26	2.69	1.79	3.90	4.00	4.17	4.03	5.21	3.01	2.98	2.39	2.08	39.51
1975	3.26	2.69	1.79	3.90	4.00	4.17	4.03	5.21	3.01	2.98	2.39	2.08	39.51
1976	0.89	2.68	4.94	3.17	4.11	3.15	3.55	2.12	2.35	2.50	0.62	0.32	30.40
1977	1.07	0.89	4.81	1.68	4.41	2.36	4.03	7.69	5.52	5.05	1.80	2.13	41.44
East	1.85	1.76	2.71	4.13	4.17	4.14	4.01	2.90	3.02	2.81	2.34	2.09	35.93
Normal	4.04	2.46	2.19	3.78	3.52	5.20	3.26	6.65	2.51	1.80	3.19	2.53	41.13
1975	4.04	2.46	2.19	3.78	3.52	5.20	3.26	6.65	2.51	1.80	3.19	2.53	41.13
1976	1.13	3.32	4.59	1.92	3.89	5.09	3.13	1.30	2.94	2.38	0.78	0.29	30.76
1977	1.02	0.73	4.97	1.42	3.84	2.04	4.35	9.91	5.51	4.65	1.72	2.90	43.07
West Southwest	1.83	1.92	2.91	3.98	4.27	4.51	3.77	3.29	3.33	2.95	2.53	2.02	37.31
Normal	4.63	3.26	2.82	4.25	4.94	4.10	2.63	4.30	3.99	1.48	2.74	2.23	41.37
1975	4.63	3.26	2.82	4.25	4.94	4.10	2.63	4.30	3.99	1.48	2.74	2.23	41.37
1976	0.85	2.33	5.18	1.31	2.99	1.79	1.97	2.73	1.65	4.27	0.82	0.40	26.29
1977	1.34	1.80	5.96	1.78	4.93	4.61	2.86	4.56	3.80	4.52	2.50	2.67	41.33
East Southeast	2.55	2.36	3.40	4.00	4.42	4.54	3.69	2.99	3.15	2.77	3.16	2.69	39.72
Normal	4.57	3.73	4.31	3.99	4.66	4.89	4.13	2.69	2.42	3.87	3.23	3.23	45.03
1975	4.57	3.73	4.31	3.99	4.66	4.89	4.13	2.69	2.42	3.87	3.23	3.23	45.03
1976	1.33	1.99	4.25	1.03	3.16	2.20	3.97	1.72	2.42	3.80	0.55	0.42	26.91
1977	1.33	2.44	5.81	2.16	2.39	4.66	2.94	6.40	3.37	3.80	2.64	3.67	41.61
Southwest	3.02	2.94	4.10	4.19	4.62	4.32	3.58	3.65	3.42	2.85	3.33	3.04	43.06
Normal	4.40	3.87	6.23	4.66	3.98	2.97	3.93	6.26	3.01	1.52	3.03	3.59	47.45
1975	4.40	3.87	6.23	4.66	3.98	2.97	3.93	6.26	3.01	1.52	3.03	3.59	47.45
1976	1.27	1.84	3.37	1.91	3.39	3.96	5.19	1.26	1.84	3.99	0.59	0.80	29.41
1977	1.56	2.14	8.21	2.05	2.08	4.64	3.40	5.94	4.18	3.06	3.62	3.86	44.74
Southeast	3.37	3.09	4.39	4.31	4.68	4.24	3.83	3.36	3.14	2.76	3.49	3.31	43.97
Normal	4.18	4.74	7.23	5.74	3.96	2.34	4.26	5.95	2.76	2.54	4.44	4.18	52.32
1975	4.18	4.74	7.23	5.74	3.96	2.34	4.26	5.95	2.76	2.54	4.44	4.18	52.32
1976	1.75	2.78	3.29	2.11	4.65	5.12	4.53	0.81	2.81	3.83	0.94	0.72	33.34
1977	1.71	2.07	7.81	2.91	2.27	4.60	3.89	5.80	4.49	3.02	3.01	3.95	45.53

Precipitation and temperature departures from normal (averages for 1941-70), Illinois by districts, selected periods, 1976 and 1977

Period	Year	NW	NE	W	C	E	WSW	ESE	SW	SE
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- Precipitation departures (inches) -

Pre-season 1/ : 1976 : +0.9 : +3.7 : +1.4 : +1.6 : -5.6 : -6.1 : -2.0 : -3.8 : -6.9 : -3.6

Growing season 2/ 1976 : -7.7 : -4.2 : -5.8 : -3.2 : -1.9 : -8.0 : -5.3 : -4.0 : -1.3

- Temperature departures (degrees Fahrenheit) -

May : 1976 : -4 : -3 : -3 : +7 : -3 : -4 : +6 : -4 : -5 : -5

June : 1976 : 0 : +1 : -1 : 0 : -2 : -2 : -2 : -3 : 0 : -3

July : 1976 : 0 : 0 : +1 : 0 : +2 : +1 : 0 : -1 : -1 : -1

August : 1976 : -3 : -3 : -3 : -3 : -4 : -3 : -2 : -4 : -4 : -4

September : 1976 : -3 : -2 : -2 : 0 : -1 : -2 : -3 : -3 : -3 : -3

1/ October of previous calendar year through April. 2/ May through September.

Ray R. Waldman, Meteorologist in Charge, National Weather Service, 10600 W. Higgins Rd., Rm. 610, Rosemont, IL 60018

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SUMMARY OF 1978 ILLINOIS WEATHER

Illinois was cool and dry during 1978. The Statewide precipitation level was 1.96 inches below normal with an accumulation of 38.03 inches for the year. Temperatures averaged 2.8 degrees below normal providing an average annual temperature of 53.0 degrees. Seven months had below normal precipitation, while ten months recorded below normal temperatures. The Central District was the driest area in the State averaging 4.37 inches below the norm, while the West-Southwest District was only slightly below normal. The Northwest was the coolest district averaging 3.1 degrees below the norm during the year, with the East District recording the warmest average in the State, at 2.5 degrees below normal.

January and February recorded below normal precipitation in every district with the south recording the lowest departures. Precipitation Statewide averaged near normal in March due to heavy rains in the south. Three inches of rain deluged the south during the fourth week causing flooding. Precipitation continued below normal in many sections during April. Heavy but scattered rains in May caused above normal precipitation in many areas except in the South. Flooding occurred in some portions of the State. June was the driest month of 1978, but heavy rainfall at the end of the month and the first few days of July caused widespread flooding in the north. The Rockford area recorded the most damage from flooding. July had above normal precipitation in every district except the southeast. August through October recorded below normal precipitation in many sections of the State. However, local heavy rainfall caused flooding during August through September. November and December both received above normal precipitation in every district. During the fourth week of November, more than 4 inches of precipitation fell in the South. Heavy precipitation returned to the State during the latter part of December.

Temperatures for the first 8 months of 1978 were below normal in many areas of the State as a cool period continued from 1977. The first three months were very cold with February being one of the coldest months in history, especially in the northern portions of the State. Some stations in the north set a new record for the most consecutive days of maximum readings below freezing. New minimum temperature records were also set. March was cold during the first three weeks with minimum readings dropping below 0 degrees in many areas. A short-lived warm trend developed during the fourth week. In April, the north continued below normal while the south recorded above normal temperatures for the first time in 5 months. May, July, and August had below normal temperatures in every district and set several new minimum temperature records. June, however, was near normal. September temperatures averaged above normal for the first time in 1978 and the north finally broke a 14-month, below-normal period. October recorded below normal temperatures in every district with a few new record lows recorded. November was above average, especially in the South. Several new maximum temperature records were set during the month as readings climbed into the 70's and 80's in the first week. The year ended with below normal temperatures returning to many districts in December. Temperature departures ran as much as 15 degrees below normal during the first week which was the largest departures since May.

January snowfall was very heavy for the second straight year with 5 separate snowfalls. A blizzard hit the State on the 24th with many Illinois highways turning into parking lots. Twelve inches of snow blanketed many sections resulting in 8-foot drifts. During February, 10 inches of snow fell in the Northeast District and several new seasonal snowfall records were set in other scattered sections of the State. Seven to 17 inches of snow fell on the southern sections from March 6-8 and was one of the heaviest snowfalls in history. A major ice storm hit the State on March 25 causing widespread damage, particularly in the southern areas. On November 26, 1 to 4 inches of snow fell in the north. December was another snowy month with 4 separate snowstorms.

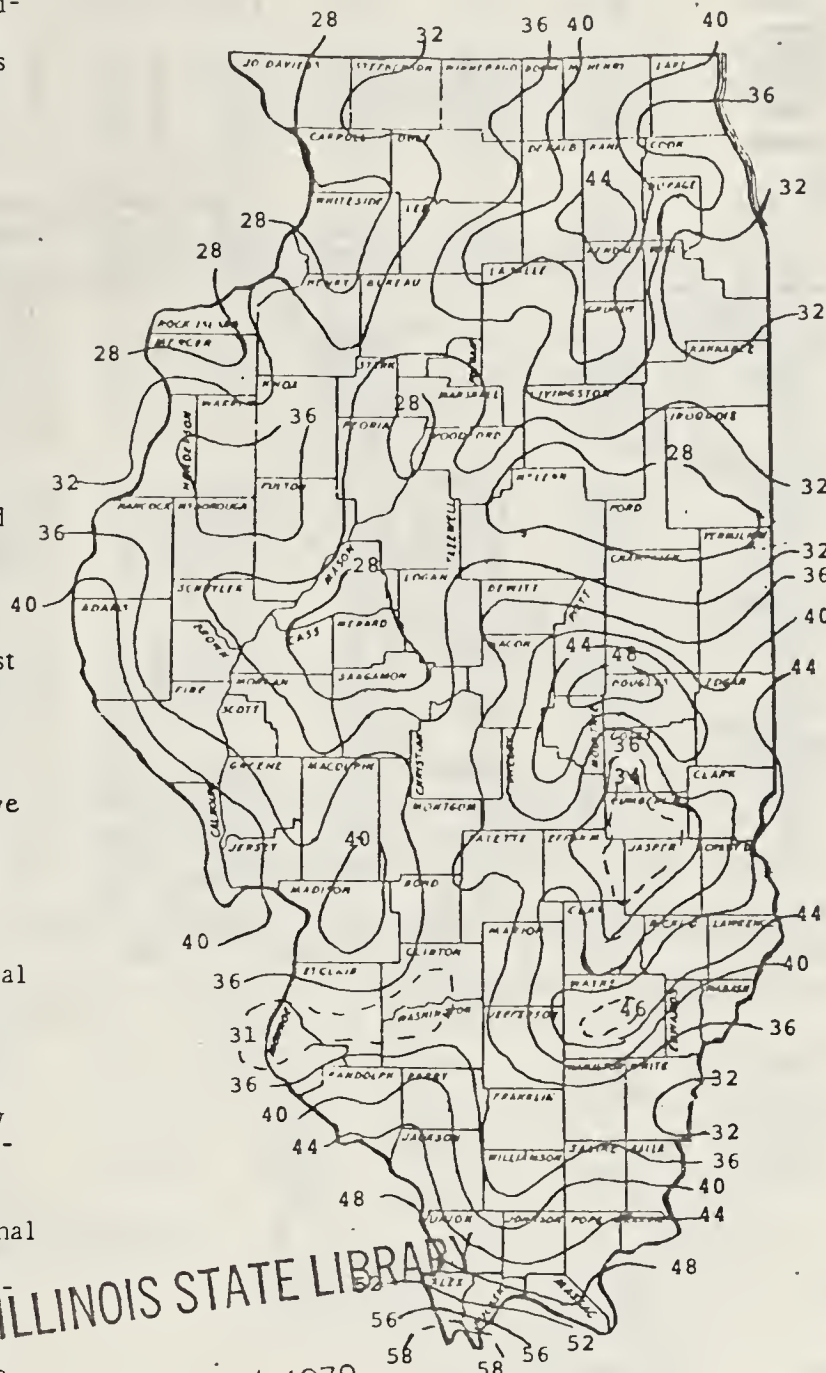
A total of 13 tornadoes was recorded during 1978 as compared to 33 in 1977. June was the most active month with 5 tornadoes touching down in the northeast sections.

1978 - Illinois Annual Average Temperature by District and Departure from Normal (Averages 1941-70)

	NW	NE	W	C	E	WSW	ESE	SW	SE
Average Annual Temperatures	47	47	50	50	49	51	51	54	54
Departures from Normal	-3	-2	-3	-3	-3	-3	-3	-3	-3

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1978 TOTAL ANNUAL PRECIPITATION (INCHES - WATER EQUIVALENT)



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Precipitation, Illinois by districts, monthly, normal (averages for 1941-70) and 1976-78													
District and year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	- Inches -												
Northwest													
Normal	1.63	1.23	2.43	3.71	3.87	4.37	4.13	3.35	3.68	2.70	2.09	1.76	34.95
1976	0.59	1.18	4.80	4.28	3.67	2.17	2.41	1.44	2.00	2.42	0.44	0.33	25.73
1977	0.58	0.81	4.65	2.06	2.68	3.65	4.44	7.15	4.80	4.19	3.00	1.48	39.49
1978	0.77	0.42	0.77	3.84	4.79	3.87	4.34	1.71	4.48	1.33	2.85	2.61	31.78
Northeast													
Normal	1.81	1.45	2.61	3.71	3.58	4.10	3.84	3.04	3.31	2.56	2.16	1.93	34.10
1976	0.98	1.74	5.65	4.05	4.14	2.80	3.10	1.71	1.93	2.11	0.53	0.57	29.31
1977	0.59	0.58	3.90	2.70	2.62	4.13	3.40	6.02	6.47	2.83	2.12	1.89	37.25
1978	1.41	0.49	1.27	4.33	3.95	4.77	5.84	2.89	5.12	1.47	2.33	3.12	36.99
West													
Normal	1.75	1.47	2.79	4.03	3.98	4.89	4.09	3.47	3.84	3.03	1.94	1.78	37.06
1976	0.73	1.96	4.33	4.75	3.75	1.68	3.15	3.41	2.45	3.44	0.41	0.28	30.34
1977	1.20	0.90	4.62	1.69	3.32	2.61	3.05	9.42	7.18	5.52	3.16	1.53	44.20
1978	0.58	0.77	1.64	4.72	6.05	3.90	4.27	1.97	4.14	1.92	3.01	2.08	35.05
Central													
Normal	1.86	1.62	2.75	4.24	3.97	4.28	3.67	3.15	3.45	2.76	2.23	2.07	36.05
1976	0.89	2.68	4.94	3.17	4.11	3.15	3.55	2.12	2.35	2.50	0.62	0.32	30.40
1977	1.07	0.89	4.81	1.68	4.41	2.36	4.03	7.69	5.52	5.05	1.80	2.13	41.44
1978	0.88	0.56	1.94	3.97	5.67	2.16	4.53	2.82	2.56	1.63	2.25	2.65	31.62
East													
Normal	1.85	1.76	2.71	4.13	4.17	4.14	4.01	2.90	3.02	2.81	2.34	2.09	35.93
1976	1.13	3.32	4.59	1.92	3.89	5.09	3.13	1.30	2.94	2.38	0.78	0.29	30.76
1977	1.02	0.73	4.97	1.42	3.84	2.04	4.35	9.91	5.51	4.65	1.73	2.90	43.07
1978	1.18	0.69	2.38	3.77	4.01	2.92	4.94	3.24	2.67	1.83	2.39	2.56	32.58
West Southwest													
Normal	1.83	1.92	2.91	3.98	4.27	4.51	3.77	3.29	3.33	2.95	2.53	2.02	37.31
1976	0.85	2.33	5.18	1.31	2.99	1.79	1.97	2.73	1.65	4.27	0.82	0.40	26.29
1977	1.34	1.80	5.96	1.78	4.93	4.61	2.86	4.56	3.80	4.52	2.50	2.67	41.33
1978	1.12	0.90	5.03	3.27	6.67	2.74	3.96	2.14	1.88	2.01	3.67	2.54	35.93
East Southeast													
Normal	2.55	2.36	3.40	4.00	4.42	4.54	3.69	2.99	3.15	2.77	3.16	2.69	39.72
1976	1.33	1.99	4.25	1.03	3.16	2.20	3.97	1.72	2.42	3.87	0.55	0.42	26.91
1977	1.33	2.44	5.81	2.16	2.39	4.66	2.94	6.40	3.37	3.80	2.64	3.67	41.61
1978	1.63	0.59	4.63	3.00	5.86	3.34	5.76	4.83	1.19	2.84	4.12	3.98	41.57
Southwest													
Normal	3.02	2.94	4.10	4.19	4.62	4.32	3.58	3.65	3.42	2.85	3.33	3.04	43.06
1976	1.27	1.84	3.37	1.91	3.39	3.96	5.19	1.26	1.84	3.99	0.59	0.80	29.41
1977	1.56	2.14	8.21	2.05	2.08	4.64	3.40	5.94	4.18	3.06	3.62	3.86	44.74
1978	1.72	1.01	5.50	2.63	3.03	1.92	4.24	5.09	1.28	2.17	5.38	4.87	38.84
Southeast													
Normal	3.37	3.09	4.39	4.31	4.68	4.24	3.83	3.36	3.14	2.76	3.49	3.31	43.97
1976	1.75	2.78	3.29	2.11	4.65	5.12	4.53	0.81	2.81	3.83	0.94	0.72	33.34
1977	1.71	2.07	7.81	2.91	2.27	4.60	3.89	5.80	4.49	3.02	3.01	3.95	45.53
1978	2.25	0.84	4.94	3.42	3.35	1.57	3.03	5.22	2.32	1.95	5.54	6.61	41.04

Precipitation and temperature departures from normal(averages for 1941-70), Illinois by districts, selected periods, 1977 and 1978											
Period	Year	NW	NE	W	C	E	WSW	ESE	SW	SE	
	- Precipitation departures (inches) -										
Pre-season 1/	1977	-4.3	-5.3	-4.3	-5.6	-6.1	-1.8	-4.4	-4.1	-4.7	
	1978	-1.1	-1.9	+1.1	-1.2	-0.4	+1.9	-1.1	-2.1	-3.3	
Growing season 2/	1977	+3.3	+4.8	+5.3	+5.5	+7.4	+1.6	+1.0	+0.7	+1.8	
	1978	-0.2	+4.7	+0.1	-0.8	-0.5	-1.8	+2.2	-4.0	-3.8	
	- Temperature departures (degrees Fahrenheit) -										
May	1977	+7	+8	+6	+7	+8	+6	+6	+5	+5	
	1978	-2	-1	-2	-2	-2	-2	-3	-2	-2	
June	1977	-2	-2	0	+1	-2	-2	-2	0	0	
	1978	-1	0	0	+1	0	-1	0	-1	0	
July	1977	+2	+2	+3	+2	+2	+3	+1	+2	+2	
	1978	-2	-1	-1	-1	-1	-1	0	0	+1	
August	1977	-3	-4	-3	-3	-2	-2	-1	-1	-1	
	1978	-1	-1	-1	-1	-1	-2	-1	-1	0	
September	1977	0	-1	0	+1	+1	+1	+2	+1	+2	
	1978	+4	+4	+4	+4	+5	+3	+3	+2	+2	

1/ October of previous calendar year through April. 2/ May through September.

Ray R. Waldman, Meteorologist in Charge, National Weather Service, 10600 W. Higgins Rd., Rm. 610, Rosemont, IL 60018

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SUMMARY OF 1979 ILLINOIS WEATHER

MAY 10 1984 1979 TOTAL ANNUAL PRECIPITATION
(INCHES - WATER EQUIVALENT)

Illinois was cool and wet during 1979. The State-wide precipitation averaged .96 inches above normal with an accumulation of 38.98 inches for the year. State-wide temperatures averaged 2.6 degrees below normal providing an average annual temperature of 50.4 degrees. Eight months had below normal precipitation, while six months recorded above normal precipitation. The Southeast District was the wettest in the State averaging 8.16 inches above normal, while the West District averaged 7.81 inches below normal. The Northwest was again the coolest district averaging 3.6 degrees below normal, while the Southwest District was only 1.6 degrees below normal.

January was above normal in precipitation in every district, continuing this above normal monthly trend which started in November 1978. February was slightly below normal in precipitation with the north and central sections receiving the least amounts. Up to 5 inches of precipitation fell during the last week of the month on the southern sections bringing this portion of the State above normal. March and April were both above normal in precipitation in every district. Heavy rainfall during the first and fourth week added to the flooding problems due primarily to snowmelt. Some southern sections recorded as much as 8 inches of rain during April with up to 4 inches being recorded in a 24-hour period. The following two months were below normal in most sections. During May, precipitation was below normal in every district for the first time in 1979. The Northeast District was the only above normal area in June. Up to 6 inches of rain fell in scattered southern sections during the third week in June to bring the Southeast District average to near normal. The dry spell continued in the north during July. In the south, a 9-inch average rainfall nearly tied a record for the largest average on record. Some stations in this area recorded 11 to 13 inches of rain during the month which caused flooding problems. The heavy rains continued in the south during August. The Northeast District recorded an average of 8.40 inches, the highest in the State. September was very dry with most areas recording little or no rainfall. The Northeast District had .08 inches, the least average amount in the State. The dry period continued through October and ended in November when nearly every district was above normal. Precipitation continued to be above normal in the northern districts in December, but was below normal in the south.

A cold period which started in December 1978 continued through February 1979 setting new minimum temperature records in scattered areas of Illinois. Both of these months were one of the coldest in history. March was slightly above normal in most areas except in the north. Maximum temperatures climbed into the 60's and 70's in the south after mid-month. Below normal temperatures returned to the State during April and May with freezing minimum temperatures common in April. In the second week of May maximum temperatures climbed into the 80's in many portions of the State, but a cold period returned in the fourth week setting a few new minimum temperature records in the north. The remaining areas of the State reported frost. June was slightly above normal except in the north. Maximum readings climbed into the 90's in the south. A cool spell returned to many areas during July and August with several new minimum records set in July. The cool period ended in the latter part of September as maximum readings climbed into the 80's and 90's. However, the cool period once again returned during the last week of September and lasted through November in many areas. The growing season over much of Illinois came to an end in mid-October as minimum temperatures dropped below freezing. Maximum temperatures climbed into the 60's and 70's in the last week of November and this trend continued through December. A brief cool spell during the first week of December sent minimum temperatures below the zero degree mark.

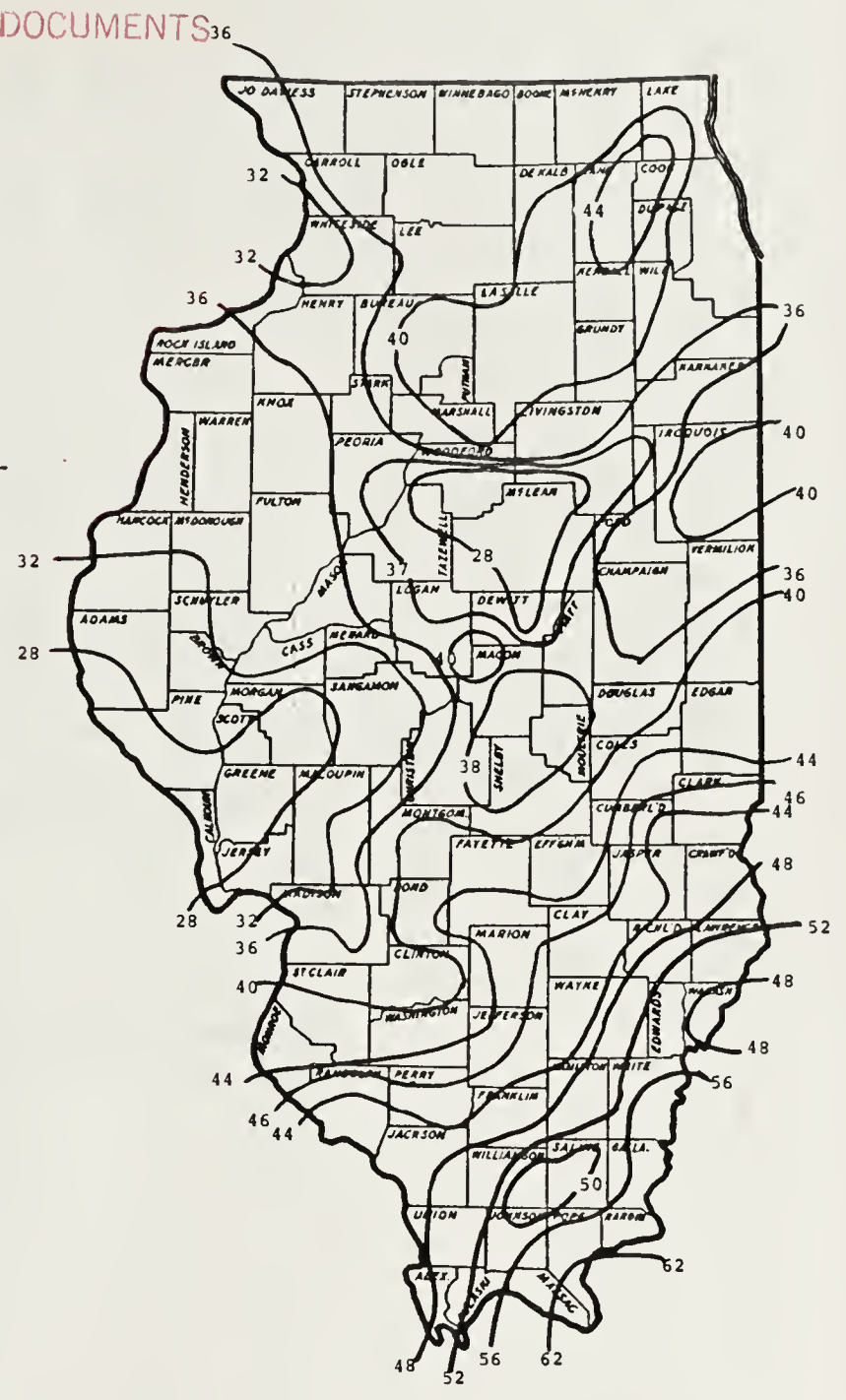
Snowfall in January set new record amounts for the third straight year. Up to 20 inches was dumped on the northeast in mid-month. A snowstorm in late February caused havoc by depositing as much as 24 inches of snow on southern Illinois. The snowstorms ended in March with only small amounts reported. Due to the heavy snow and above normal precipitation amounts, most river and creeks went above flood stage during March and some new stage-heights were recorded at several places in the State. Widespread flooding was common. Light snow returned to the northern part of the State during the last week in November and the first week of December.

A total of 12 tornadoes touched down in Illinois during 1979 compared to 13 last year and a 30-year average of 25 (1950-79). August 1979 had the most tornadoes this year with 6. In 1978 5 tornadoes were reported in June.

1979 - Illinois Annual Average Temperature by District and Departure from Normal (Averages 1941-70)

	NW	NE	W	C	E	WSW	ESE	SW	SE
Average Annual Temperatures	46	46	49	49	49	53	52	55	55
Departures from Normal	-4	-3	-3	-3	-3	-2	-3	-1	-2

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Precipitation, Illinois by districts, monthly, normal (averages for 1941-70) and 1977-79 •

District and year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	- Inches -												
Northwest													
Normal	1.63	1.23	2.43	3.71	3.87	4.37	4.13	3.35	3.68	2.70	2.09	1.76	34.95
1977	0.58	0.81	4.65	2.06	2.68	3.65	4.44	7.15	4.80	4.19	3.00	1.48	39.49
1978	0.77	0.42	0.77	3.84	4.79	3.87	4.34	1.71	4.48	1.33	2.85	2.61	31.78
1979	2.60	1.04	3.34	4.29	2.30	3.61	3.69	8.13	0.20	2.45	2.45	2.50	36.60
Northeast													
Normal	1.81	1.45	2.61	3.71	3.58	4.10	3.84	3.04	3.31	2.56	2.16	1.93	34.10
1977	0.59	0.58	3.90	2.70	2.62	4.13	3.40	6.02	6.47	2.83	2.12	1.89	37.25
1978	1.41	0.49	1.27	4.33	3.95	4.77	5.84	2.89	5.12	1.47	2.33	3.12	36.99
1979	3.15	1.15	4.42	5.45	2.10	4.66	3.57	8.40	0.08	1.74	3.11	2.40	40.23
West													
Normal	1.75	1.47	2.79	4.03	3.98	4.89	4.09	3.47	3.84	3.03	1.94	1.78	37.06
1977	1.20	0.90	4.62	1.69	3.32	2.61	3.05	9.42	7.18	5.52	3.16	1.53	44.20
1978	0.58	0.77	1.64	4.72	6.05	3.90	4.27	1.97	4.14	1.92	3.01	2.08	35.05
1979	2.17	1.11	3.79	4.61	2.34	2.21	3.85	2.58	0.23	2.20	2.32	1.84	29.25
Central													
Normal	1.86	1.62	2.75	4.24	3.97	4.28	3.67	3.15	3.45	2.76	2.23	2.07	36.05
1977	1.07	0.89	4.81	1.68	4.41	2.36	4.03	7.69	5.52	5.05	1.80	2.13	41.44
1978	0.88	0.56	1.94	3.97	5.67	2.16	4.53	2.82	2.56	1.63	2.25	2.65	31.62
1979	2.84	1.02	4.55	5.71	1.67	1.86	5.81	2.91	0.35	1.43	2.64	2.14	32.93
East													
Normal	1.85	1.76	2.71	4.13	4.17	4.14	4.01	2.90	3.02	2.81	2.34	2.09	35.93
1977	1.02	0.73	4.97	1.42	3.84	2.04	4.35	9.91	5.51	4.65	1.73	2.90	43.07
1978	1.18	0.69	2.38	3.77	4.01	2.92	4.94	3.24	2.67	1.83	2.39	2.56	32.58
1979	3.09	0.92	4.21	6.10	2.01	2.81	7.04	6.43	0.10	1.48	3.09	1.40	38.68
West Southwest													
Normal	1.83	1.92	2.91	3.98	4.27	4.51	3.77	3.29	3.33	2.95	2.53	2.02	37.31
1977	1.34	1.80	5.96	1.78	4.93	4.61	2.86	4.56	3.80	4.52	2.50	2.67	41.33
1978	1.12	0.90	5.03	3.27	6.67	2.74	3.96	2.14	1.88	2.01	3.67	2.54	35.93
1979	2.29	1.15	3.97	7.18	1.71	2.35	4.70	2.99	0.34	1.80	2.23	1.98	32.69
East Southeast													
Normal	2.55	2.36	3.40	4.00	4.42	4.54	3.69	2.99	3.15	2.77	3.16	2.69	39.72
1977	1.33	2.44	5.81	2.16	2.39	4.66	2.94	6.40	3.37	3.80	2.64	3.67	41.61
1978	1.63	0.59	4.63	3.00	5.86	3.34	5.76	4.83	1.19	2.84	4.12	3.98	41.57
1979	2.93	2.55	5.21	6.15	2.53	2.63	9.12	3.65	0.57	1.92	3.99	1.84	43.09
Southwest													
Normal	3.02	2.94	4.10	4.19	4.62	4.32	3.58	3.65	3.42	2.85	3.33	3.04	43.06
1977	1.56	2.14	8.21	2.05	2.08	4.64	3.40	5.94	4.18	3.06	3.62	3.86	44.74
1978	1.72	1.01	5.50	2.63	3.03	1.92	4.24	5.09	1.28	2.17	5.38	4.87	38.84
1979	3.33	3.96	5.75	7.09	3.20	2.86	5.96	3.29	1.00	1.52	4.59	2.67	45.22
Southeast													
Normal	3.37	3.09	4.39	4.31	4.68	4.24	3.83	3.36	3.14	2.76	3.49	3.31	43.97
1977	1.71	2.07	7.81	2.91	2.27	4.60	3.89	5.80	4.49	3.02	3.01	3.95	45.53
1978	2.25	0.84	4.94	3.42	3.35	1.57	3.03	5.22	2.32	1.95	5.54	6.61	41.04
1979	3.58	4.44	5.95	7.04	3.72	3.53	6.14	4.80	2.07	2.08	6.32	2.46	52.13

Precipitation and temperature departures from normal (averages for 1941-70), Illinois by districts, selected periods, 1978 and 1979

Period	Year	NW	NE	W	C	E	WSW	ESE	SW	SE
		- Precipitation departures (inches) -								
Pre-season 1/	1978	-1.1	-1.9	+1.1	-1.2	-0.4	+1.9	-1.1	-2.1	-3.3
	1979	+2.5	+4.9	+1.9	+3.1	+3.4	+4.7	+6.9	+9.1	+10.4
Growing season 2/	1978	-0.2	+4.7	+0.1	-0.8	-0.5	-1.8	+2.2	-4.0	-3.8
	1979	-1.5	+0.9	-9.1	-5.9	+0.2	-7.1	-0.3	-3.3	+1.0
		- Temperature departures (degrees Fahrenheit) -								
May	1978	-2	-1	-2	-2	-2	-2	-3	-2	-2
	1979	-1	0	0	-1	-1	-1	-2	-3	-3
June	1978	-1	0	0	+1	0	-1	0	-1	0
	1979	-1	0	0	0	+1	0	0	-1	-1
July	1978	-2	-1	-1	-1	-1	-1	0	0	+1
	1979	-2	-2	-1	-2	-3	-2	-2	-1	-1
August	1978	-1	-1	-1	-1	-1	-2	-1	-1	0
	1979	-2	-2	-1	-1	-1	-1	-1	-1	-1
September	1978	+4	+4	+4	+4	+5	+3	+3	+2	+2
	1979	0	0	0	0	-1	-1	-1	-2	-1

1/ October of previous calendar year through April. 2/ May through September.

• 1979 Preliminary.

Ray R. Waldman, Meteorologist in Charge, National Weather Service, 10600 W. Higgins Rd., Rm.610, Rosemont, IL 60018

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BULK THIRD CLASS

Summary of 1979 Illinois Weather
June 30, 1980

ILLINOIS WEATHER & CROPS



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Illinois Department of Agriculture
Economics & Statistics Service-USDA
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Released: MAY 28, 1981

SUMMARY OF 1980 ILLINOIS WEATHER

Illinois was dry and rather cool during 1980. The State-wide precipitation averaged 5.76 inches below normal with an accumulation average of 32.27 inches for the year. State-wide temperatures averaged .8 degrees below normal providing an annual average of 52.2 degrees. Nine months were below normal in precipitation, while six months were below normal in temperature. The Southwest District was the driest in the State averaging 12.38 inches below normal, while the Northeast District was 1.88 inches above normal. The Northeast District was the coolest averaging 2.7 degrees below normal, while the West-Southwest and Southwest Districts averaged 1.2 degrees above normal.

January and February were below normal in precipitation in every district with the south receiving the least amounts. The dry spell continued in the northern and southern portions of the State during March, but the central sections recorded above normal precipitation. Many districts continued to receive below normal precipitation through July. During May and June however, localized thunderstorms gave up to 5 inches causing some flooding problems. The Illinois River was above flood stage at several locations during June. In July the Northeast District was above normal in precipitation for the first time in six months. Rainfall during August was above normal over most of the State except the extreme south. The northwest was more than 4 inches above normal during August. Above normal precipitation continued through September over most of the State. Then a dry period began in October and lasted through the end of the year with most districts recording below normal precipitation. The northern and western sections were the only areas receiving above normal precipitation in December, while the south was more than 2 inches below normal.

A warm period which started in late November of 1979 continued over much of the State through the first part of January with only minor cool periods in the north. A sharp cool period developed during the fourth week as temperatures averaged at the lowest level since February 1979. The cool spell lasted through April with below zero readings common through February. Freezing minimum temperatures were reported in scattered sections of the State through the first week of May. In April, a brief, warm period sent readings into the 90's across the State setting several new maximum temperature records. Maximum readings of 80 to 95 degrees returned in late May and continued into June setting a few new maximum temperature records. Temperatures were above normal in most sections of the State during July and continued through September. Maximum readings climbed over the 100-degree mark in many areas in July and August and set several new maximum temperature records. In September, 90-degree readings were still common, mainly in the south. A cool period developed during the last week of September breaking a nine week above normal period. The northeast was the only area of the State with below normal temperatures during August and September. In October temperatures averaged below normal in most districts ending a three month above normal period. Freezing temperatures in most areas during the first week of October ended the 1980 growing season and several new minimum temperature records were set. In the first week of November, maximum readings climbed into the 60's and 70's and then a near normal trend developed. The year ended with a near normal December, but 60 and 70 degree readings set several new maximum temperature records. Minimum readings dropped below zero in the north during the latter part of December.

The first measurable snowfall in late October left up to 1.5 inches in most areas. In late November, 3 to 10 inches of snow fell with the heaviest amounts in the central and eastern sections. On the first of December, 2 to 4 inches fell in the northwest. In late December, the north received 2 to 7 inches from two separate storms.

A total of 14 tornadoes touched down during 1980 compared to 12 in 1979 and a 30-year average of 25 (1950-79). Seven persons were injured from 1 tornado in June with no injuries from the other 13 tornadoes.

1980 - Illinois Annual Average Temperature by District and Departure from Normal (Averages 1941-70)

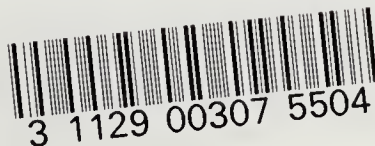
	NW	NE	W	C	E	WSW	ESE	SW	SE
Average Annual Temperatures	48	47	51	51	50	55	53	58	57
Departures from Normal	-2	-3	-1	-1	-2	+1	-2	+1	-1

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Summary of 1980 Illinois Weather
May 28, 1981

Precipitation, Illinois by districts, monthly, normal (averages for 1941-70) and 1978-80 *

District and year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Northwest	1.63	1.23	2.43	3.71	3.87	4.37	4.13	3.35	3.68	2.70	2.09	1.76	34.95
1978	0.77	0.42	0.77	3.84	4.79	3.87	4.34	1.71	4.48	1.33	2.85	2.61	31.78
1979	2.60	1.03	3.36	4.35	2.27	3.61	3.69	8.31	0.20	2.45	2.45	2.53	36.85
1980	1.05	1.24	1.28	3.09	2.93	4.48	3.69	8.50	4.79	1.73	0.71	2.36	35.85
Northeast	1.81	1.45	2.61	3.71	3.58	4.10	3.84	3.04	3.31	2.56	2.16	1.93	34.10
1978	1.41	0.49	1.27	4.33	3.95	4.77	5.84	2.89	5.12	1.47	2.33	3.12	36.99
1979	3.17	1.16	4.24	5.45	2.13	4.52	3.57	8.40	0.08	1.74	3.11	2.38	39.95
1980	0.86	1.22	1.76	3.10	3.14	3.85	3.84	6.65	6.54	2.41	0.93	2.65	36.95
West	1.75	1.47	2.79	4.03	3.98	4.89	4.09	3.47	3.84	3.03	1.94	1.78	37.06
1978	0.58	0.77	1.64	4.72	6.05	3.90	4.27	1.97	4.14	1.92	3.01	2.08	35.05
1979	2.19	1.11	3.79	4.61	2.34	2.21	3.85	2.58	0.23	2.20	2.32	1.84	29.27
1980	0.78	0.80	3.26	2.35	3.06	5.15	2.43	7.27	6.22	1.45	0.77	3.23	36.77
Central	1.86	1.62	2.75	4.24	3.97	4.28	3.67	3.15	3.45	2.76	2.23	2.07	36.05
1978	0.88	0.56	1.94	3.97	5.67	2.16	4.53	2.82	2.56	1.63	2.25	2.65	31.62
1979	2.84	0.94	4.81	5.82	1.67	5.81	2.91	0.35	1.43	2.64	2.14	2.64	33.22
1980	0.64	1.22	3.32	2.54	2.55	5.63	1.20	6.08	4.54	1.86	0.92	2.14	32.64
East	1.85	1.76	2.71	4.13	4.17	4.14	4.01	2.90	3.02	2.81	2.34	2.09	35.93
1978	1.18	0.69	2.38	3.77	4.01	2.92	4.94	3.24	2.67	1.83	2.39	2.56	32.58
1979	3.13	0.96	4.15	6.10	2.01	2.81	7.04	6.43	0.10	1.48	3.09	1.40	38.70
1980	0.65	1.67	3.99	2.10	2.64	6.75	1.62	4.52	4.14	1.65	1.22	1.82	32.77
West Southwest	1.83	1.92	2.91	3.98	4.27	4.51	3.77	3.29	3.33	2.95	2.53	2.02	37.31
1978	1.12	0.90	5.03	3.27	6.67	2.74	3.96	2.14	1.88	2.01	3.67	2.54	35.93
1979	2.29	1.10	4.26	7.18	1.71	2.38	4.70	2.99	0.34	1.80	2.23	1.98	32.96
1980	0.79	1.11	4.10	1.99	2.94	2.83	3.47	4.30	4.35	2.23	0.91	1.12	30.14
East Southeast	2.55	2.36	3.40	4.00	4.42	4.54	3.69	2.99	3.15	2.77	3.16	2.69	39.72
1978	1.63	0.59	4.63	3.00	5.86	3.34	5.76	4.83	1.19	2.84	4.12	3.98	41.57
1979	2.92	2.34	4.99	6.30	2.47	2.63	8.95	3.65	0.57	1.92	3.94	1.84	42.52
1980	0.97	1.40	4.38	2.38	2.40	4.43	3.50	4.26	4.23	2.19	1.64	0.72	32.50
Southwest	3.02	2.94	4.10	4.19	4.62	3.58	3.65	3.42	2.85	3.33	3.04	3.04	43.06
1978	1.72	1.01	5.50	2.63	3.03	1.92	4.24	5.09	1.28	2.17	5.38	4.87	38.84
1979	3.36	3.96	5.73	7.06	3.20	5.96	3.29	1.00	1.52	4.59	2.60	2.60	45.13
1980	1.08	1.49	4.46	2.02	2.76	3.11	3.11	3.02	3.85	2.85	2.06	0.76	30.57
Southeast	3.37	3.09	4.39	4.31	4.68	3.83	3.36	3.14	2.76	3.49	3.31	3.31	43.97
1978	2.25	0.84	4.94	3.42	3.35	1.57	5.22	2.32	1.95	5.54	6.61	41.04	45.04
1979	3.58	4.44	5.95	6.89	3.68	3.53	6.45	4.92	2.07	6.32	2.46	52.37	52.37
1980	1.76	1.37	5.30	2.75	3.05	3.67	3.35	2.35	3.75	2.63	1.01	34.23	34.23

Precipitation and temperature departures from normal (averages for 1941-70), Illinois by districts, selected periods, 1979 and 1980 *	Year	NW	NE	W	C	E	WSW	ESE	SW	SE
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Pre-season 1/	1979	+2.6	+4.7	+1.9	+3.4	+3.4	+4.9	+6.4	+9.1	+10.2
Growing season 2/	1979	-1.3	+0.8	-9.1	-5.9	+0.2	-7.3	-0.5	-3.3	+1.4
	1980	+5.0	+6.2	+3.9	+1.5	-1.4	-1.3	--	-3.7	-3.1

May	1979	-1	--	--	-1	-1	-1	-2	-3	-3
	1980	--	+1	+1	-1	-1	--	+1	-1	-1
June	1979	-1	--	--	-2	+1	--	--	-1	-1
	1980	-2	-3	-1	-2	-2	-1	-2	--	-1
July	1979	-2	-2	-1	-2	-3	-2	-2	-1	-1
	1980	+2	+2	+4	+4	+3	+4	+3	+5	+4
August	1979	-2	-2	-1	-1	-1	-1	-1	-1	-1
	1980	+2	+2	+3	+3	+4	+4	+4	+5	+5
September	1979	--	--	--	--	-1	-1	-1	-2	-1
	1980	--	--	+1	+2	+1	+1	+2	+2	+3

1/ October of previous calendar year through April. 2/ May through September. * 1980 Preliminary.

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SUMMARY OF 1981 ILLINOIS WEATHER

Precipitation: From January through March the southern half of the State continued in drought, a condition which began in spring of the year before. During April, spring showers and thunderstorms commenced, and brought above normal precipitation to essentially the entire state but particularly Central and Southern Illinois.

The 1981 precipitation in Illinois ranged from normal in extreme Southern Illinois, to well above normal in all other portions; such that 1981 was the seventh wettest year of this Century. The State average precipitation was 13% above normal, and 1981 marked the ninth year in the past 11 years, with above normal precipitation.

The actual amounts of precipitation over the State varied from about 35 inches in the North-central to 48 inches in the central counties, to about 37 inches in the South-central, increasing to about 46 inches in the far South. Average annual precipitation maps do not include the small scale features (either areas with much more or less than normal) because thunderstorm and showery precipitation are very small scale features, and our observing sites are not sufficiently dense to show that scale.

Temperatures: Mean 1981 temperatures in Illinois were close to normal. Lowest temperatures were found in the northwestern part of the State, with the warmest in the extreme South, a normal distribution. The whole State was near normal in annual temperature, with the greatest deviations being about +1 degrees F at Springfield and Peoria.

The summer of 1981 was cooler than normal, whereas the colder months were warmer than normal. Heating degree days were very close to normal in Southern Illinois, about 500 less than normal in Central Illinois and between 200 and 400 less than normal in Northern Illinois. Cooling degree days were about 100 less than normal in Central Illinois (not shown), and about 200 less than normal in Northern and Southern Illinois.

Growing Degree Days: Growing degree days (base: 55 degrees F) were similar to the distribution of mean annual temperature. Total growing degree days were about 2500 in the far Northwest, increasing to about 3300 in Central Illinois and 4500 in the extreme South.

General Discussion of 1981 Weather: January through March were relatively dry (particularly in the South) throughout the State with only one major snowfall in February. From the 3rd to the 5th of April, most of the State was subjected to thunderstorms, strong winds and some hail and a few tornadoes. On the 10th and 13th additional storms moved across the State, with 1 3/4" hail reported at Peoria and Rock Island, and at least 6 tornadoes were sited.

The increasing rainfall in May commenced a series of floods which affected many parts of the State. Heavy rains in most areas continued through September. In August and September, flood occurrences were noted most often in the northern two-thirds of the State.

A few tornadoes, hail and windstorms were noted on June 8 and 9 and again on June 20 and 21. Again, between the 13th to the 20th of July, several strong windstorms were observed. Tornadoes were observed on July 25 and 28 and again on August 25. 1981 was one of the wettest summers on record for many parts of Central and Northern Illinois.

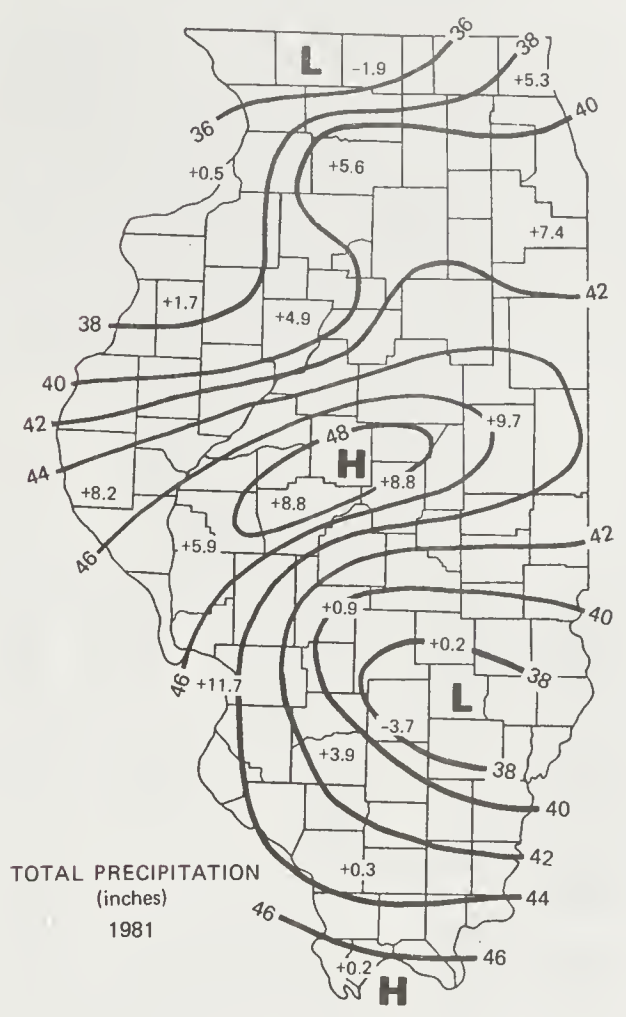
On October 5, Central and Eastern Illinois experienced strong winds (gusts to 82 mph reported at Bloomington). On the 17th, both Northern and Southern Illinois experienced strong winds.

Winter began with three storms in mid-December which moved parallel to the Ohio River and dumped heavy snow in Central Illinois. The first occurred on the 16th and 17th, with the heaviest snowfall from Springfield to Champaign. The second storm (December 22) deposited a heavy wet band of snow through Central Illinois. The third storm (December 27 and 28) produced heaviest accumulations in West-central Illinois. These three storms were the beginning of what is now known as another severe winter in the State of Illinois.

1981 - Illinois Annual Average Temperature by District and Departure from Normal (Averages 1941-70)

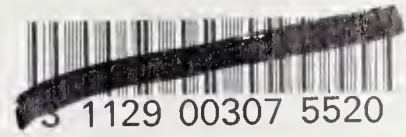
	NW	NE	W	C	E	WSW	ESE	SW	SE
Average Annual Temperatures	48.8	49.1	52.1	51.5	50.4	53.5	53.5	56.0	56.2
Annual Departures from Normal	-.8	-.7	-.1	-.6	-1.2	-.5	-.7	-.8	-.5
Growing Season Departures from Normal 1/	-2.1	-1.8	-1.8	-1.8	-1.9	-1.8	-1.6	-1.7	-1.3

1/ Period of May through September.



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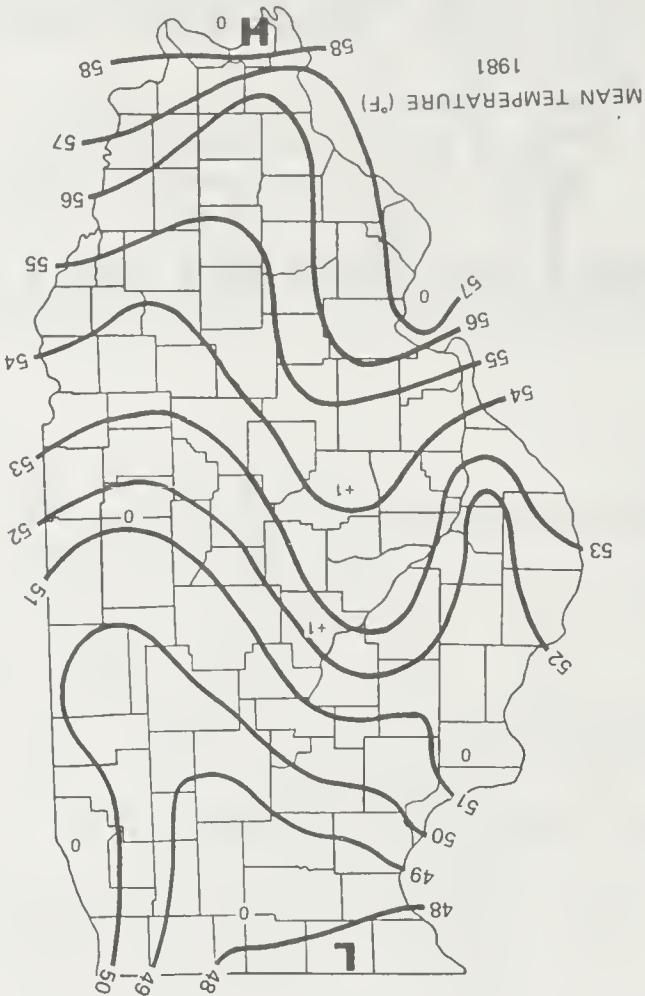
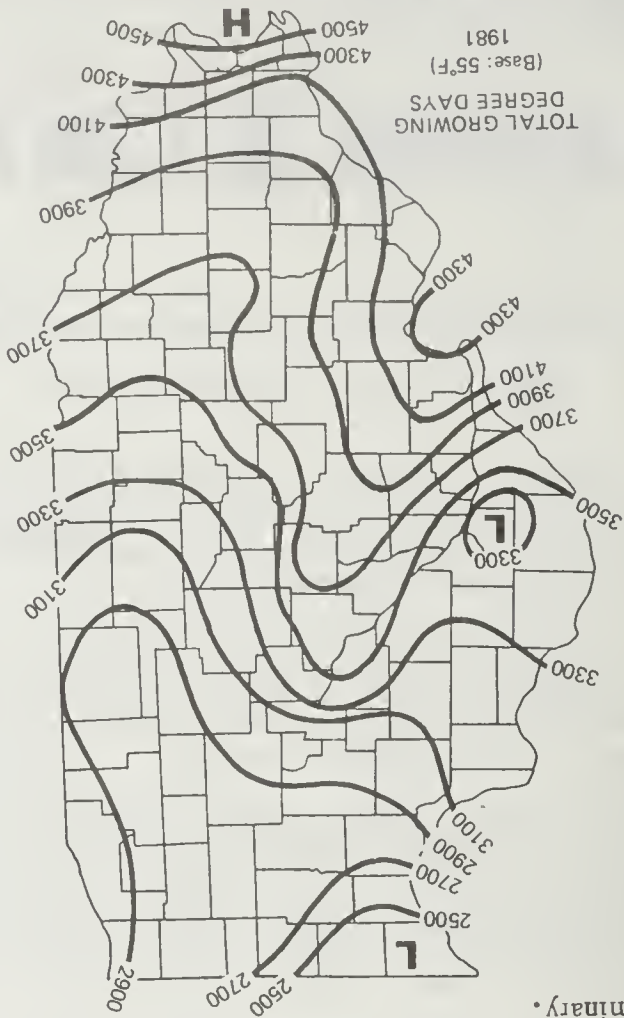
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Summary of 1981 Illinois Weather
April 7, 1982

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Precipitation, Illinois by districts, monthly, normal (averages for 1941-70) and 1980-81 1/

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Northwest	1.63	1.23	2.43	3.71	3.87	4.37	4.13	3.35	3.68	2.70	2.09	1.76	34.95
Normal	1.06	1.24	1.81	3.09	2.93	4.48	3.69	8.50	4.77	1.73	0.71	2.37	35.88
1981	0.12	2.43	0.57	5.68	2.34	6.15	3.13	8.85	4.23	2.90	2.04	0.85	39.29
Northeast	1.81	1.45	2.61	3.71	3.58	4.10	3.84	3.04	3.31	2.56	2.16	1.93	34.10
Normal	0.85	1.16	1.74	3.10	3.37	3.85	3.73	6.65	6.59	2.41	0.96	2.64	37.05
1981	0.12	2.00	0.62	5.28	4.28	6.05	3.96	6.15	3.10	1.53	1.82	1.04	35.95
West	1.75	1.47	2.79	4.03	3.98	4.89	4.09	3.47	3.84	3.03	1.94	1.78	37.06
Normal	0.78	0.80	3.26	2.35	3.06	5.15	2.43	7.27	6.22	1.45	0.77	3.23	36.77
1981	0.19	1.53	0.93	6.23	5.98	6.70	9.35	3.78	2.13	2.33	2.79	1.03	42.97
Central	1.86	1.62	2.75	4.24	3.97	4.28	3.67	3.15	3.45	2.76	2.23	2.07	36.05
Normal	0.64	1.28	3.44	2.54	2.55	5.63	1.20	6.08	4.54	1.86	0.92	2.11	32.79
1981	0.38	2.28	1.06	5.91	6.02	6.27	7.05	7.72	2.56	1.72	1.69	1.68	44.34
East	1.85	1.76	2.71	4.13	4.17	4.14	4.01	2.90	3.02	2.81	2.34	2.09	35.93
Normal	0.63	1.62	4.02	2.04	2.54	6.75	1.68	4.41	4.12	1.65	1.27	1.82	32.55
1981	0.36	2.05	0.63	6.73	5.87	5.07	6.61	6.48	3.54	2.40	1.47	1.89	43.10
West Southwest	1.83	1.92	2.91	3.98	4.27	4.51	3.77	3.29	3.33	2.95	2.53	2.02	37.31
Normal	0.77	1.11	4.14	1.99	2.94	2.83	3.47	4.30	4.35	2.23	0.91	1.12	30.16
1981	0.29	2.14	1.86	4.57	6.58	5.66	9.84	4.92	1.78	2.45	1.79	2.16	44.04
East Southeast	2.55	2.36	3.40	4.00	4.42	4.54	3.69	2.99	3.15	2.77	3.16	2.69	39.72
Normal	1.00	1.47	4.38	2.38	2.40	4.43	3.50	4.26	4.23	2.19	1.64	0.72	32.60
1981	0.33	2.74	1.17	4.53	7.39	3.45	4.96	7.03	2.91	2.68	2.05	2.48	41.72
Southwest	3.02	2.94	4.10	4.19	4.62	4.32	3.58	3.65	3.42	2.85	3.33	3.04	43.06
Normal	1.05	1.49	4.31	2.02	2.76	3.11	3.11	3.02	3.85	2.85	1.99	0.76	30.32
1981	0.52	2.62	1.52	2.72	9.09	6.09	7.02	3.36	2.45	3.77	2.44	2.15	43.75
Southeast	3.37	3.09	4.39	4.31	4.68	4.24	3.83	3.36	3.14	2.76	3.49	3.31	43.97
Normal	1.72	1.35	5.30	2.75	3.05	3.67	3.48	2.35	3.75	3.23	2.67	1.03	34.35
1981	0.59	2.88	2.19	3.96	10.33	4.38	5.88	2.91	1.28	2.64	2.57	2.76	42.37



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RELEASED: MARCH 28, 1983

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SUMMARY OF 1982 ILLINOIS WEATHER

MAR 30 1983

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Precipitation: Total precipitation for the year was greater than normal over the entire State, with the largest differences found in the extreme Northeast, West, Central, and South. The largest difference from normal was recorded at Anna, with 65.99 inches of precipitation (60.35 inches greater than normal)!

The winter of 1981-82 had eight severe winter storms during January, a new record number. From January 29 to 31, over 7 inches of rain fell in Southern Illinois. Heavy snow was recorded from this same storm in South-Central and Central Illinois, including 20 inches at Red Bud. Record snow depths continued through February, with 33 inches recorded at Nashville, a situation which set the stage for severe flooding in Southern Illinois.

March precipitation was above normal, with one winter storm moving across Northern Illinois, resulting in flooding along the Kankakee River. Two April storms (5th, 7-8th) brought record snowfall for the month at several locations, particularly in Northern and Central Illinois. During the storm of April 2-3, severe winds with a strong cold front were observed throughout the State, with speeds as high as 55 mph in Northern Illinois.

June and September Statewide precipitation was below normal by about .6 inch, whereas July was above normal for the State (by about 2 inches). Precipitation during August and October was near normal. November began a trend to above normal precipitation, with Chicago receiving 4.89 inches more than normal, and Springfield 2.57 inches greater than normal. December continued with much above normal precipitation throughout the State, Chicago again receiving 6.46 inches more than normal, and DuQuoin 9.99 inches greater than normal! This situation led to tragic and sustained flooding beginning in the first week of the month and reinforced by heavy precipitation over the holidays.

Temperatures: For 1982 as a whole, Illinois experienced slightly lower than normal temperatures, with the greatest anomalies found in the northeast (-1.6F at Marengo, -2.5F at Watseka) and Southern Illinois (-1.3F at DuQuoin). The remainder of the State was nearer to normal for the year as a whole.

Record cold was experienced across the State on January 10-11 (-26F), on January 16-17 (Northwestern and Eastern Illinois 11.9F below normal), and January 26 when the Statewide average was 10.1F below normal. During the first two cold episodes many locations in Northern and Central Illinois experienced wind chill factors below -70F! February was colder than normal again with record cold temperatures set at many locations on the 6th and the 10th. Although March was near normal in temperature, April was very cold with record minimum temperatures set in many locations on the 6th. May was much warmer than normal (+5.3F in the East, and +4.6F Statewide), followed by a very cold June, a situation which resulted in May's mean temperature being greater than that for June! July and October were near normal, with August and September from about 2 to 3F below normal. As we moved into the winter season, November was slightly above normal (Peoria 1.7F above normal), and December was much above normal over the entire State, with maximum values being 9.6F greater than normal at Peoria and 7.7F above normal at Urbana.

Growing Degree Days: Growing degree days (base 55F) accumulated from April through September are shown. Northern Illinois generally accumulated about 1600 DD (a bit more near Lake Michigan), about 2400 DD in Central Illinois and more than 2800 DD in the South. A low center (about 2400 DD) is located in South-Central Illinois.

General Discussion of 1982 Weather: Record cold from mid-January through early February resulted in a damaged peach crop in Southern Illinois in addition to the record winter chill factors throughout Northern and Central Illinois on the second and third weekends of January.

Severe thunderstorms were observed Statewide on March 12 when 64 mph winds were observed at Quincy. On March 16 thunderstorms with hail and winds to 60 mph were observed across Southern Illinois. The cold front moving across the State on the first weekend of April produced severe thunderstorms Statewide with hail and tornadoes reported at Pontiac, Chatsworth, Irwin, and Charleston. The cold Canadian air which moved into the State after that storm damaged the apple crop in Southern Illinois.

Thunderstorms and heavy rain of April 16 led to flooding in Petersburg and parts of Menard County. Tornadoes were sighted at New Lennox and Virgil on May 15. Southern Illinois experienced severe storms and several tornadoes on May 29 when ten persons were killed and 181 injured in Marion, Cartersville and Crainville. The Williamson County Airport received extensive damage during this outbreak of severe weather. On June 8, Southern Illinois again experienced severe thunderstorms with 1 inch hail and winds to at least 55 mph. Northwestern Illinois experienced some crop damage on June 15 and again July 6-7 from heavy rain and high winds with some hail. Northeastern Illinois was hit by thunderstorms on July 21 and 22 with much urban flooding. On August 24 four tornado touchdowns were reported in McLean County, all in rural areas east of Normal. This storm resulted in hundreds of acres of corn and soybeans being damaged or destroyed.

1982 - Illinois Annual Average Temperature by District and Departure from Normal (Averages 1941-70)

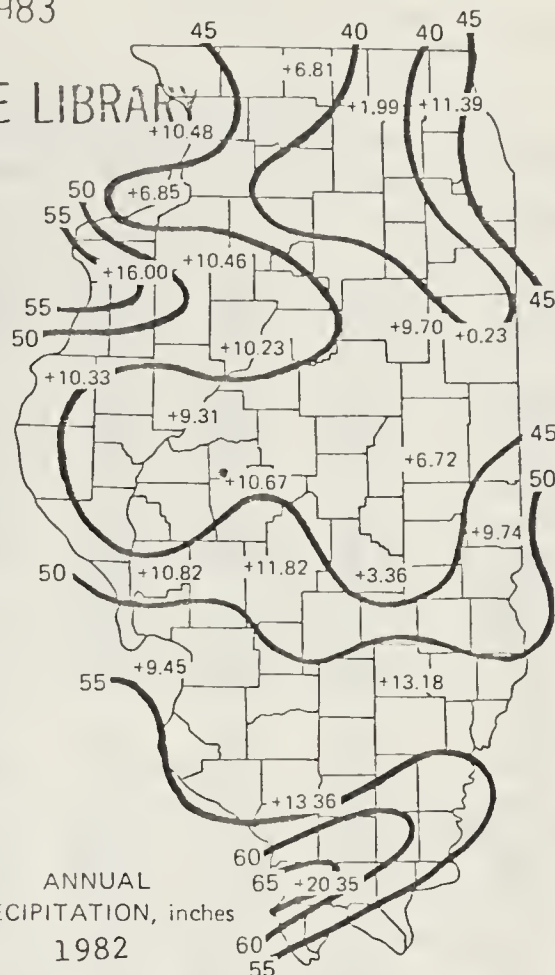
	NW	NE	W	C	E	WSW	ESE	SW	SE
Average Annual Temperatures	47.4	48.0	50.4	50.2	49.5	52.3	52.8	55.2	55.6
Annual Departures from Normal	-2.2	-1.9	-1.8	-1.8	-2.1	-1.8	-1.4	-1.6	-1.1
Growing Season Departures from Normal 1/	-1.1	-1.4	-1.2	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1

1/ Period of May through September.

- O V E R -

ANNUAL
PRECIPITATION, inches
1982

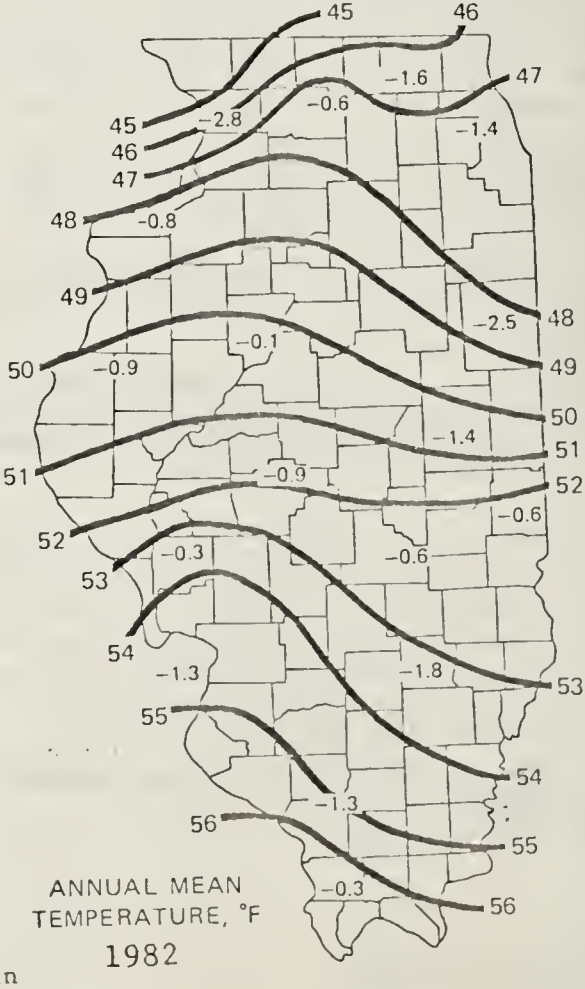
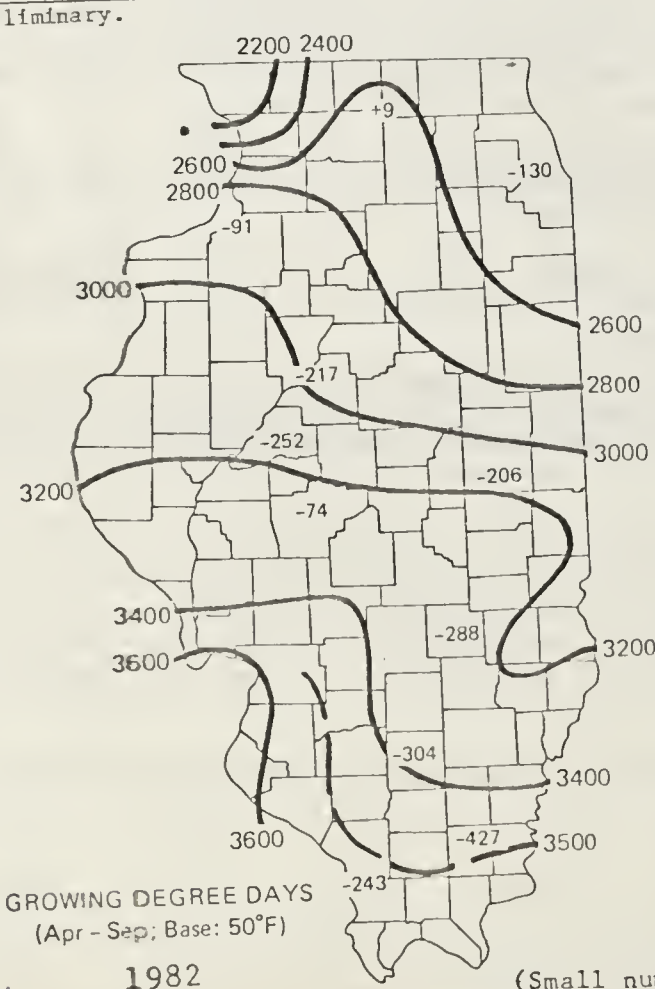
(Small numbers within
State boundary represent
deviation from normal.)



Summary of 1982 Illinois Weather
March 29, 1983

Precipitation, Illinois by districts, monthly, normal (averages for 1941-70) and 1981-82 -1/													
District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	- Inches -												
Northwest													
Normal	1.63	1.23	2.43	3.71	3.87	4.37	4.13	3.35	3.68	2.70	2.09	1.76	34.95
1981	0.12	2.45	0.56	5.57	2.34	6.15	3.13	8.79	4.13	2.82	2.04	0.85	38.95
1982	1.73	0.36	3.27	3.15	4.13	3.97	8.28	3.08	1.73	3.33	4.35	4.41	41.79
Northeast													
Normal	1.81	1.45	2.61	3.71	3.58	4.10	3.84	3.04	3.31	2.56	2.16	1.93	34.10
1981	0.12	2.02	0.62	5.64	4.28	6.05	3.99	6.15	3.13	1.53	1.82	1.04	36.39
1982	2.40	0.76	4.05	3.36	3.95	2.88	7.28	2.71	1.61	2.10	5.40	6.15	42.65
West													
Normal	1.75	1.47	2.79	4.03	3.98	4.89	4.09	3.47	3.84	3.03	1.94	1.78	37.06
1981	0.19	1.53	0.93	6.23	5.98	6.70	9.35	3.78	2.13	2.33	2.79	1.03	42.97
1982	2.82	0.93	4.36	3.81	4.49	4.07	8.80	4.29	2.64	2.29	3.24	6.65	48.39
Central													
Normal	1.86	1.62	2.75	4.24	3.97	4.28	3.67	3.15	3.45	2.76	2.23	2.07	36.05
1981	0.38	2.33	1.05	5.91	5.99	6.27	7.05	7.72	2.51	1.72	1.71	1.68	44.32
1982	3.07	1.66	4.50	4.46	4.64	2.99	5.28	3.12	1.89	1.84	4.92	6.99	45.36
East													
Normal	1.85	1.76	2.71	4.13	4.17	4.14	4.01	2.90	3.02	2.81	2.34	2.09	35.93
1981	0.36	2.05	0.63	6.73	5.87	5.07	6.61	6.48	3.54	2.40	1.47	1.89	43.10
1982	3.65	1.41	4.06	3.25	4.77	3.67	4.77	3.05	1.55	2.28	5.11	5.01	42.58
West Southwest													
Normal	1.83	1.92	2.91	3.98	4.27	4.51	3.77	3.29	3.33	2.95	2.53	2.02	37.31
1981	0.29	2.14	1.86	4.57	6.58	5.66	9.84	4.92	1.78	2.45	1.79	2.16	44.04
1982	4.70	1.46	3.36	3.14	4.11	4.66	6.02	3.42	3.59	3.42	3.79	7.77	49.44
East Southeast													
Normal	2.55	2.36	3.40	4.00	4.42	4.54	3.69	2.99	3.15	2.77	3.16	2.69	39.72
1981	0.34	2.74	1.17	4.53	7.39	3.26	4.96	7.03	2.91	2.68	2.05	2.54	41.60
1982	5.91	1.65	3.77	2.46	5.00	3.92	4.14	3.31	3.32	3.63	3.62	7.14	47.87
Southwest													
Normal	3.02	2.94	4.10	4.19	4.62	4.32	3.58	3.65	3.42	2.85	3.33	3.04	43.06
1981	0.51	2.55	1.55	2.72	8.91	6.09	7.02	3.34	2.45	3.86	2.44	2.08	43.52
1982	7.95	2.10	2.92	2.43	5.14	3.88	3.84	4.05	3.63	2.51	3.67	10.50	52.62
Southeast													
Normal	3.37	3.09	4.39	4.31	4.68	4.24	3.83	3.36	3.14	2.76	3.49	3.31	43.97
1981	0.59	2.79	2.19	3.96	10.33	4.38	5.88	2.91	1.38	2.64	2.57	2.76	42.38
1982	7.54	1.65	3.47	2.71	5.02	3.26	3.92	3.68	4.61	1.96	4.07	11.65	53.54

1/ 1982 Preliminary.



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RELEASED: APRIL 30, 1984 MAY 2 1984

ILLINOIS DOCUMENTS SUMMARY OF 1983 ILLINOIS WEATHER

The year of 1983 was one of strong climate contrasts across the State, both from station to station and season to season. Although the average annual temperatures were near normal across the State, and precipitation was generally greater than normal, few will forget the seasonal changes: the mild first few months, the dry summer, or the cold, snowy December.

Precipitation: The map showing the distribution of total 1983 precipitation over Illinois exhibits maximum amounts in Northwest, Northeast, and Southern Illinois, but virtually all the State experienced greater than normal precipitation (deviation from normal in italics on map). Precipitation varied from about 35" to about 60", with several stations realizing 10" more than normal. The greatest positive deviations are coincident with the greatest annual totals, Chicago reporting 15.65" greater than normal (wettest ever), Anna with +14.51", Champaign with +13.72" (second wettest ever), and Mt. Carroll with 10.23" greater than normal. The greatest negative deviation from normal was reported at Aledo with -6.27" and only minor negative deviations elsewhere. Although Anna received much greater than normal precipitation, Cairo was almost 6" below normal, and received less than 0.75" from June through August! The total precipitation from July through September at Cairo was the third driest in recorded history. Although Cairo received only 5% of normal August precipitation, Lawrenceville (Lawrence Co.) received 178% of normal. In spite of Champaign's wet year, soil moisture in July and August in the uppermost three feet was the lowest ever recorded in three years of observations. Similar conditions persisted over much of Central and Southern Illinois leading to much reduced corn and bean yields compared to those of 1982.

Whereas the first few months of 1983, and July and August experienced generally less than normal precipitation at most locations, rainfall in spring, June, and fall, and snowfall in December were significantly above normal.

Interestingly, Central Illinois received about as much snow in March and April 1983 as during the three months of the 1982-83 mild winter. During the first four days of April, more than 3 inches of rain fell in much of Northern and Central Illinois, and locally in Southern Illinois causing the Big Muddy River to rise to near record levels. On the

1st and 2nd of May the entire State experienced thunderstorms with heavy rain, strong winds and some hail. One to four inches of rain was common, and 1-inch diameter hail fell at Melrose (Clark County). Tornadoes were reported at 11 locations in Southern Illinois on May 1 and 2. On May 29, two tornadoes, winds to 45 mph, and 1-inch diameter hail fell on Cook and Du Page counties. There were relatively few severe weather events during June, with only one tornado reported in the State on the 29th in McLean County. Wind, hail and lightning were observed on June 3 in Southern Illinois, again on the 14th in Central Illinois, and from June 27 to 29 over much of the State. No tornadoes were reported during July! Two to four inches of rain fell in Cook, Will, and Du Page counties on the 1st and 2nd, and gusts in excess of 50 mph were common in Northwestern Illinois. Strong winds were reported again in Northeastern Illinois on July 17, 19, 20, and 23, and Carbondale experienced gusts to 60 mph on July 24.

Again, no tornadoes were reported in August within the State, making 1983 relatively free of severe weather. High winds associated with thunderstorms were experienced on August 3 in the North, in Southern Illinois on the 5th, and again in the North on the 10th. Thunderstorms with gusts to about 50 mph were observed in the Southwest on the 22nd, the entire State on the 26th and 27th.

Temperatures: The map showing average annual temperature for the State is very similar to the 30-year average, exhibiting values from about 48°F in the North to about 58°F in the South. The greatest deviation from normal was only +1.6°F at Peoria, a value well within the normal range.

Mean monthly temperatures were below normal only during April, May, and December. Rockford, Chicago, Peoria, and Springfield reported the coldest December ever, and Moline, the second coldest ever! October was near normal and the remaining months were above normal. Greatest positive deviations from normal were experienced in February, July (+3.5°F common) and August (+6°F common).

Growing degree days across Illinois were very close to the long-term normals, therefore, contours are essentially the same as those on the mean annual temperature chart presented herein. Growing degree day sums varied from about 2500 (base 55°F) in the North to about 4500 in extreme Southern Illinois.

1983 Illinois average annual temperature and departure from normal by crop reporting district

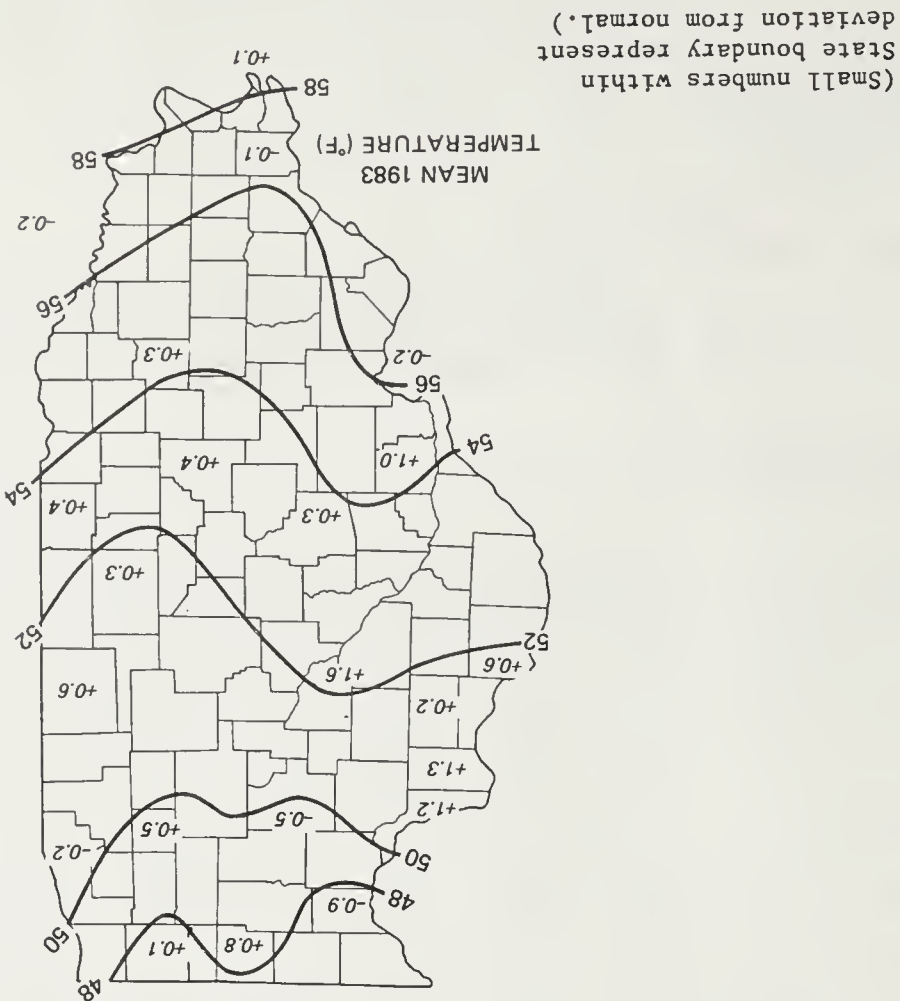
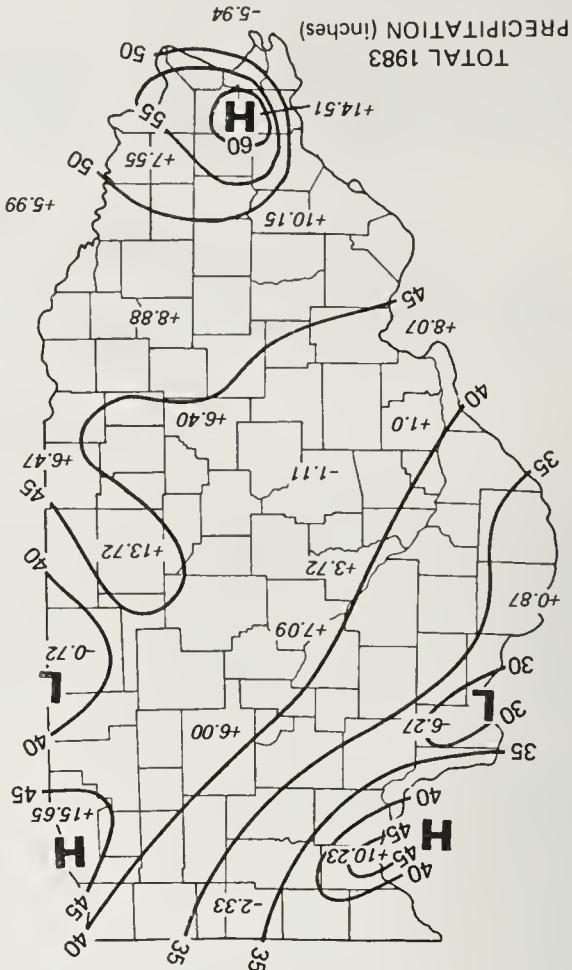
	NW	NE	W	C	E	WSW	ESE	SW	SE
Average annual temperatures (°F)	51.6	47.9	51.9	52.3	50.0	54.9	53.7	56.6	54.1
Departure from 1951-80 normal (°F)	+1.3	+0.1	+0.6	-0.9	+0.6	+1.0	+0.4	-0.1	-1.2
Departure from normal growing season length (days)	+5	+2	+2	+12	-14	-8	+2	+5	-22



Summary of 1983 Illinois Weather
April 30, 1984

Precipitation, Illinois by districts, monthly, normal (averages for 1941-70) and 1982-83 1/

District and Year	- Inches -											
	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Northwest	1.63	1.23	2.43	3.71	3.87	4.37	4.13	3.87	4.13	2.70	2.09	1.76
Normal	1.72	0.36	3.27	3.19	4.13	3.97	8.17	2.99	1.73	3.33	4.26	4.41
1983	.50	1.28	2.84	4.37	3.76	2.94	3.09	2.52	4.61	2.40	4.62	2.10
Northeast	1.81	1.45	2.61	3.71	3.58	4.10	3.84	3.04	3.31	2.56	2.16	1.93
Normal	1.81	1.45	2.61	3.71	3.58	4.10	3.84	3.04	3.31	2.56	2.16	1.93
1983	2.40	0.76	4.06	3.37	3.95	2.88	7.28	2.71	1.61	2.08	5.40	6.15
West	1.75	1.47	2.79	4.03	3.98	4.89	3.47	3.84	3.03	1.94	1.78	37.06
Normal	1.75	1.47	2.79	4.03	3.98	4.89	3.47	3.84	3.03	1.94	1.78	37.06
1983	2.82	0.93	4.36	3.81	4.49	4.07	4.29	2.64	2.29	3.24	6.65	48.39
Central	1.86	1.62	2.75	4.24	3.97	4.28	3.67	3.15	3.45	2.76	2.23	2.07
Normal	1.86	1.62	2.75	4.24	3.97	4.28	3.67	3.15	3.45	2.76	2.23	2.07
1983	3.07	1.66	4.50	4.46	4.52	2.99	3.12	1.89	1.84	4.86	6.82	45.01
East	1.85	1.76	2.71	4.13	4.17	4.01	2.90	3.02	2.81	2.34	2.09	35.93
Normal	1.85	1.76	2.71	4.13	4.17	4.01	2.90	3.02	2.81	2.34	2.09	35.93
1983	3.65	1.41	4.06	3.25	4.77	3.67	4.77	3.05	1.55	5.11	5.01	42.58
West Southwest	1.83	1.92	2.91	3.98	4.27	4.51	3.77	3.29	3.33	2.95	2.53	2.02
Normal	1.83	1.92	2.91	3.98	4.27	4.51	3.77	3.29	3.33	2.95	2.53	2.02
1983	4.70	1.46	3.36	3.14	4.11	4.73	6.02	3.44	3.70	3.42	3.79	7.77
East Southeast	2.55	2.36	3.40	4.00	4.42	4.54	3.69	2.99	3.15	2.77	3.16	2.69
Normal	2.55	2.36	3.40	4.00	4.42	4.54	3.69	2.99	3.15	2.77	3.16	2.69
1983	5.91	1.65	3.77	2.46	5.00	3.92	3.99	3.26	3.49	3.63	3.62	7.14
Southwest	3.02	2.94	4.10	4.19	4.62	4.32	3.58	3.65	3.42	2.85	3.33	3.04
Normal	3.02	2.94	4.10	4.19	4.62	4.32	3.58	3.65	3.42	2.85	3.33	3.04
1983	7.95	2.10	2.92	2.43	3.88	3.84	4.05	3.52	2.51	7.37	7.10	10.50
Southeast	3.37	3.09	4.39	4.31	4.68	4.24	3.83	3.36	3.14	2.76	3.49	3.31
Normal	3.37	3.09	4.39	4.31	4.68	4.24	3.83	3.36	3.14	2.76	3.49	3.31
1983	7.54	1.65	3.47	2.71	5.02	3.26	3.92	3.34	4.61	1.96	4.10	11.65
1983 Preliminary.	1.54	1.01	3.76	10.33	9.27	4.57	1.93	1.38	1.11	6.72	6.56	4.40
1982	7.54	1.65	3.47	2.71	5.02	3.26	3.92	3.34	4.61	1.96	4.10	11.65
1983	3.37	3.09	4.39	4.31	4.68	4.24	3.83	3.36	3.14	2.76	3.49	3.31



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RELEASED: APRIL 30, 1985

ILLINOIS DOCUMENTS

SUMMARY OF 1984 ILLINOIS WEATHER

Mean temperature in Illinois during the year was very close to the long term normal at virtually all sites. Anomalies were limited to less than 2°F difference from normal. Precipitation was widely variable over the State; generally, near normal conditions prevailed across North and East-Central Illinois. West-Central Illinois received 5 to 7 inches more than normal, and the southern part of the State was about 10 inches greater than normal.

Precipitation: Although annual precipitation was near normal, it varied considerably from month to month. We entered 1984 with substantial snow cover. January precipitation was much below normal. February was near normal, but March through May were wetter than normal, which contributed to delayed planting in some parts of the State. June, July and August were below normal, but September was above normal, particularly in the southern half of the State. The last three months of the year were very wet, saturating the soil prior to the formation of ground frost. This heavy accumulation of precipitation resulted in much delayed harvest, in some cases, delayed well into winter. Ground frost was relatively insignificant during 1984. The greatest depth measured during the year was about 20 inches in January, compared to the normal for that time--30 inches.

Southern Illinois received substantial snow on February 28-29 (3 to 15 inches with 45 mph winds), and a 6 to 12-inch snow cover. Three major snowstorms in March contributed another 8 to 12 inches to Central Illinois, 6 to 8 inches in the North and 3 to 8 inches in the South.

Temperatures: Four of the first six months of 1984 were below or much below normal temperatures. July mean temperature was lower than that of June! Only February, June, October and December were warmer than normal. The first fall frost was about two weeks later than normal. However, much cooler than normal temperatures prevailed over Illinois until near the end of May, when summer suddenly arrived. July and August, though warm, were punctuated occasionally by cold incursions of welcome Canadian air.

1984 Illinois average annual temperature and departure from normal by crop reporting district

	NW	NE	W	C	E	WSW	ESE	SW	SE
Average annual temperatures (°F)	48.7	49.0	51.7	51.5	50.7	53.3	53.5	56.0	55.9
Departures from 1951-80 normal (°F)	-3.3	-5.1	-1.3	-2.5	-6.8	-2.7	-2.9	-3.7	-4.1
Growing Season Departures from normal 1/	-5.9	-4.7	-6.0	-4.4	-4.8	-4.9	-4.0	-4.0	-5.4

1/ Period of May through September.

- OVER -

Noteworthy Events of 1984: There was considerable ice buildup along the Mississippi and Illinois Rivers in January due to below normal temperatures, and resulted in some flooding at Havana on the Illinois. River stages continued above normal in February as did soil moisture. Small rivers and streams in Central and Southern Illinois experienced flooding in April, and the continued high soil moisture delayed field preparation and planting. Precipitation in June in the Bloomington, Paris, Mattoon, Effingham and Lawrenceville area was less than one inch during June, the driest June of record. On balance, summer was dry over most of the State. The greater than normal precipitation, beginning in October, continued through the end of the year. In October, McLeansboro, Anna and Geneseo each received more than seven inches of precipitation. Total precipitation for September through November was generally 50% greater than normal (except for Northwestern Illinois), being the fourth wettest of the Century.

The year of 1984 was the fourth consecutive year with above normal precipitation over most of the State. Such a 4-year run of above normal precipitation occurred only once in the past 120 years.

Severe Weather: Tornado frequency was slightly greater this year (34) than the 25-year mean (26). Over half of the total were recorded in April, with 11 tornadoes reported on the 12th alone, resulting in one death and nine injuries in Illinois. The most severe of that month occurred on the 27th near and in Plainfield (Will County). One person was killed, there were five injuries, and 43 houses were damaged. The path length was 8.7 miles and the width was 200 yards. One especially noteworthy storm of 1984 (because of the lateness in the season) occurred on November 9. This storm's path was 30 miles long (from Dudleyville, Bond County to Brownstown, Fayette County) and 150 yards wide. Eleven people were injured in Fayette County and 169 houses in Brownstown were damaged.



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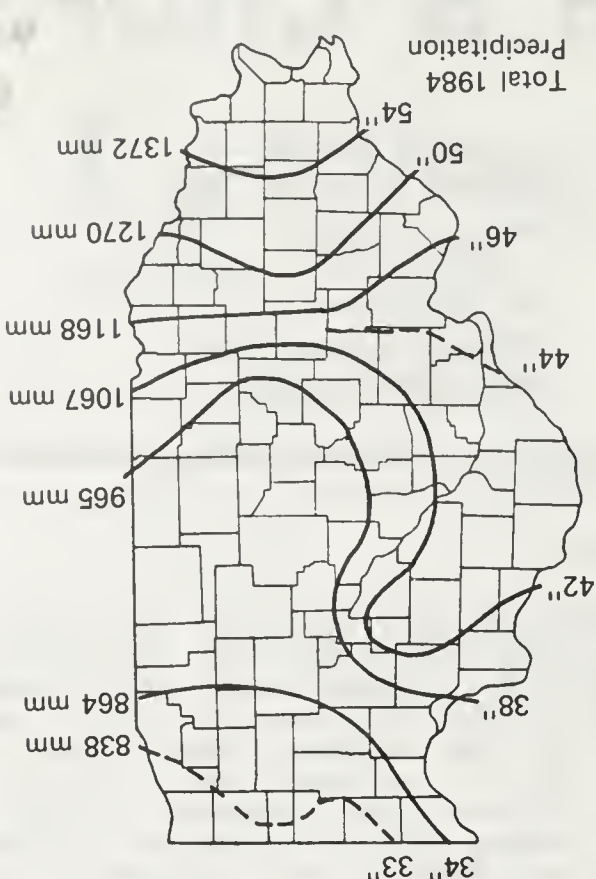
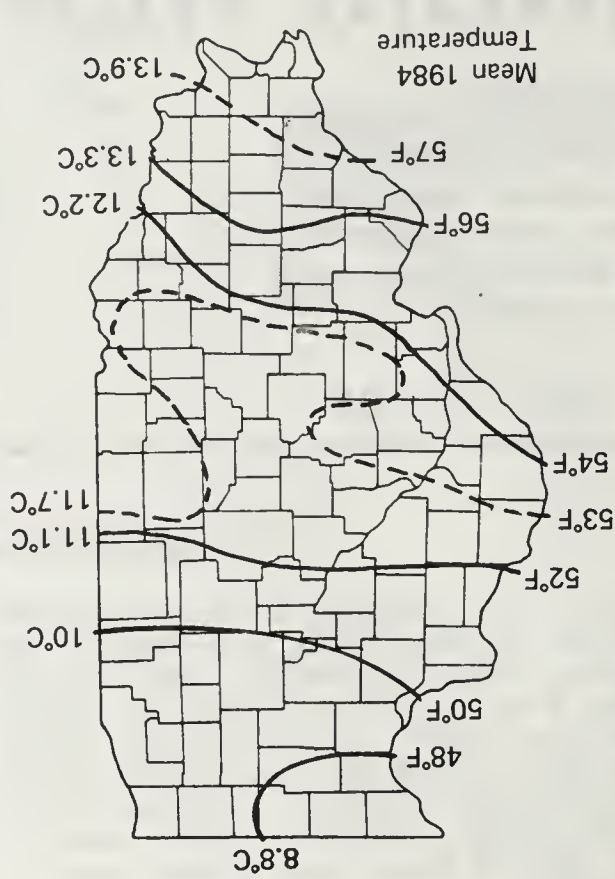
Summary of 1984 Illinois Weather
April 30, 1985

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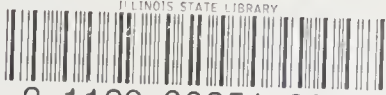
Precipitation, Illinois by districts, monthly, normal (averages for 1951-80) and 1983-84 1/

District : Jan. : Feb. : Mar. : April : May : June : July : Aug. : Sept. : Oct. : Nov. : Dec. : Annual and year

: - Inches -												
Northwest	: 1.47	: 1.20	: 2.54	: 3.91	: 3.85	: 4.20	: 3.76	: 3.53	: 2.77	: 2.07	: 1.92	: 35.43
Normal	: .50	: 1.28	: 2.85	: 4.40	: 3.74	: 2.94	: 3.09	: 2.52	: 4.61	: 2.40	: 4.62	: 35.05
1984	: .75	: .84	: 2.34	: 3.95	: 4.49	: 3.89	: 3.40	: 1.48	: 2.46	: 6.20	: 2.55	: 35.04
Northeast	: 1.69	: 1.37	: 2.65	: 3.89	: 3.47	: 4.25	: 3.59	: 3.55	: 2.55	: 2.13	: 2.11	: 35.37
Normal	: .53	: 1.57	: 3.38	: 6.08	: 5.31	: 3.33	: 4.14	: 3.48	: 4.26	: 3.14	: 4.90	: 43.01
1984	: .97	: 1.79	: 3.30	: 4.11	: 4.42	: 3.12	: 2.13	: 2.12	: 3.50	: 3.62	: 3.34	: 35.23
West	:	:	:	:	:	:	:	:	:	:	:	:
Normal	: 1.56	: 1.48	: 2.98	: 3.89	: 3.97	: 4.20	: 3.87	: 3.88	: 2.99	: 1.95	: 1.89	: 36.74
1983	: .35	: 1.30	: 2.70	: 6.24	: 3.76	: 2.29	: .92	: 2.17	: 3.65	: 5.39	: 2.67	: 35.64
1984	: .41	: 1.67	: 4.65	: 4.63	: 5.88	: 3.31	: 5.36	: 1.17	: 4.24	: 5.26	: 3.33	: 43.41
Central	:	:	:	:	:	:	:	:	:	:	:	:
Normal	: 1.66	: 1.52	: 2.96	: 4.01	: 3.80	: 4.05	: 3.52	: 3.41	: 2.62	: 2.12	: 2.18	: 35.88
1983	: .51	: 1.10	: 3.19	: 6.04	: 5.23	: 3.61	: 1.09	: 2.76	: 3.09	: 3.48	: 5.16	: 38.62
1984	: .75	: 2.17	: 4.61	: 4.48	: 5.63	: 2.25	: .97	: 2.99	: 3.85	: 3.86	: 2.84	: 37.90
East	:	:	:	:	:	:	:	:	:	:	:	:
Normal	: 1.70	: 1.61	: 2.89	: 3.94	: 3.74	: 4.14	: 3.42	: 3.16	: 2.47	: 2.28	: 2.27	: 35.97
1983	: .59	: 1.23	: 2.92	: 5.65	: 4.41	: 1.62	: 4.82	: 1.78	: 4.81	: 4.14	: 4.25	: 41.37
1984	: .81	: 2.10	: 3.89	: 3.36	: 6.40	: 2.07	: 3.73	: 1.74	: 2.98	: 3.57	: 2.99	: 36.03
West Southwest	: 1.66	: 1.88	: 3.27	: 3.87	: 4.05	: 3.98	: 3.77	: 3.42	: 2.64	: 2.39	: 2.23	: 36.37
Normal	: .55	: 1.08	: 3.46	: 5.75	: 6.33	: 3.74	: 1.30	: 1.61	: 4.43	: 6.44	: 3.79	: 39.62
1984	: .65	: 2.57	: 4.36	: 6.35	: 5.57	: 1.95	: 2.20	: 1.38	: 4.17	: 4.45	: 3.35	: 42.67
East Southeast	: 2.16	: 2.19	: 3.64	: 3.86	: 3.99	: 4.20	: 4.21	: 3.00	: 2.49	: 3.00	: 2.96	: 38.90
Normal	: .82	: 1.00	: 3.36	: 4.74	: 5.66	: 1.81	: 1.92	: 1.34	: 7.42	: 5.60	: 4.44	: 44.00
1984	: .74	: 2.84	: 3.69	: 6.84	: 4.57	: .97	: 2.22	: 2.13	: 4.10	: 4.83	: 4.27	: 43.61
Southwest	: 2.53	: 2.71	: 4.29	: 4.07	: 4.21	: 3.92	: 3.46	: 3.09	: 2.41	: 3.46	: 3.24	: 41.28
Normal	: .92	: .91	: 3.57	: 8.94	: 7.15	: 4.08	: 1.25	: 1.10	: 7.37	: 7.10	: 4.21	: 48.25
1984	: .89	: 3.10	: 4.91	: 4.89	: 3.94	: 1.99	: 2.71	: 2.63	: 7.02	: 5.78	: 5.92	: 50.81
South East	: 2.89	: 2.88	: 4.58	: 4.36	: 4.44	: 3.94	: 3.33	: 3.01	: 2.48	: 3.65	: 3.60	: 43.18
Normal	: 1.54	: 1.01	: 3.76	: 10.33	: 9.27	: 4.57	: 1.91	: 1.38	: 6.72	: 6.56	: 4.40	: 52.56
1983	: .98	: 3.35	: 6.03	: 5.89	: 4.59	: 2.36	: 3.21	: 1.68	: 5.21	: 5.85	: 6.85	: 52.66
1984	:	:	:	:	:	:	:	:	:	:	:	:



Prepared by D.M.A. Jones, V. Arya, J.L. Vogel, and W.M. Wendland of the
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Department of Energy and Natural Resources
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Summary of 1985 Illinois Weather
May 21, 1986

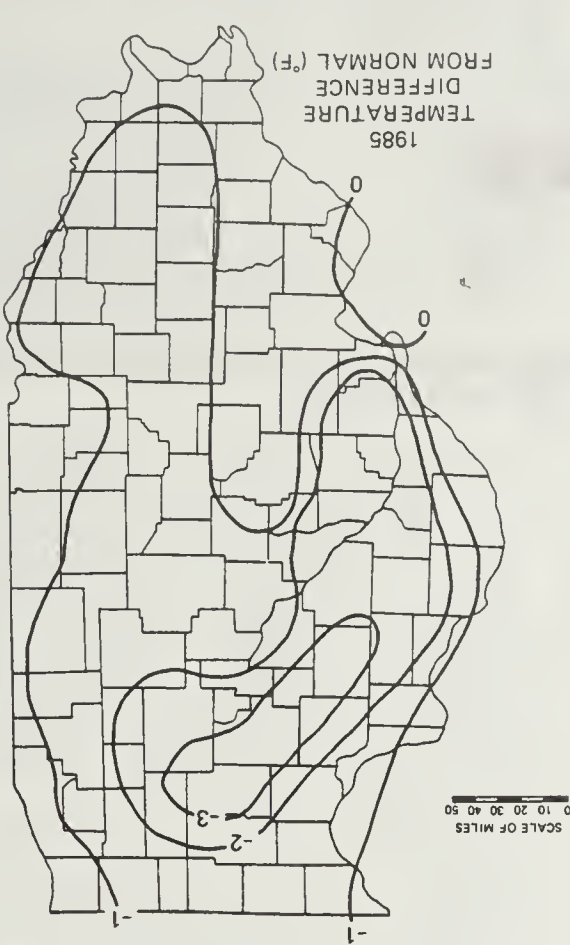
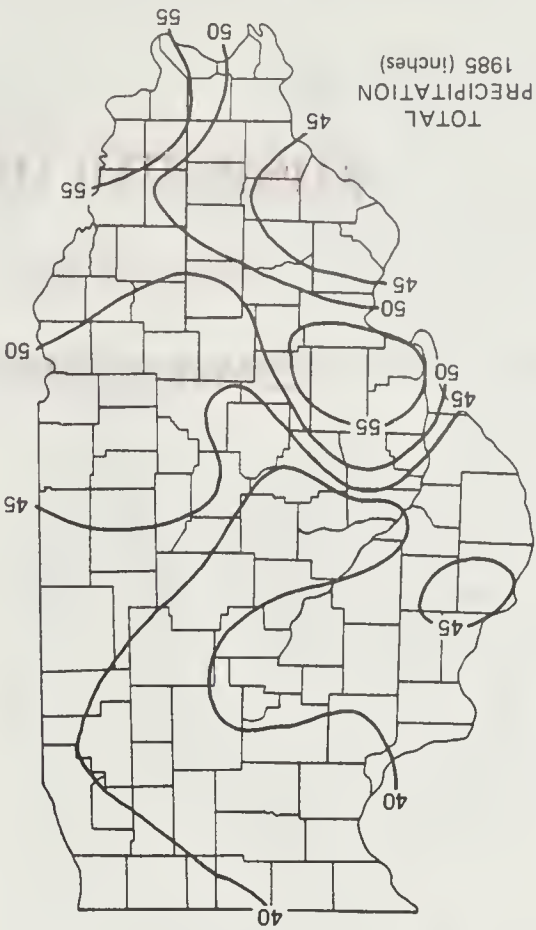
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Precipitation, Illinois by districts, monthly, normal (averages for 1951-80) and 1984-85 1/

District : Jan. : Feb. : Mar. : April : May : June : July : Aug. : Sept. : Oct. : Nov. : Dec. : Annual and year :

- Inches -

Northwest	: 1.47	: 1.20	: 2.54	: 3.91	: 3.85	: 4.20	: 4.21	: 3.76	: 3.53	: 2.77	: 2.07	: 1.92	: 35.43
Normal	: 1.75	: .84	: 2.34	: 3.95	: 4.49	: 3.93	: 3.41	: 1.48	: 2.43	: 6.20	: 2.77	: 2.55	: 35.14
1984	: 1.38	: 2.57	: 4.27	: 1.34	: 2.94	: 3.07	: 3.14	: 3.35	: 2.37	: 5.88	: 6.82	: 1.93	: 39.06
1985	: 1.69	: 1.37	: 2.65	: 3.89	: 3.47	: 4.25	: 4.12	: 3.59	: 3.55	: 2.55	: 2.13	: 2.11	: 35.37
Normal	: .95	: 1.75	: 3.19	: 4.07	: 4.42	: 3.14	: 2.13	: 3.50	: 3.62	: 3.34	: 2.81	: 35.04	
1984	: 2.05	: 2.66	: 4.38	: 1.77	: 2.65	: 2.46	: 3.61	: 3.61	: 2.41	: 4.68	: 7.77	: 1.72	: 39.77
West	:	:	:	:	:	:	:	:	:	:	:	:	
Normal	: 1.56	: 1.48	: 2.98	: 3.89	: 3.97	: 4.20	: 3.87	: 3.88	: 2.99	: 1.95	: 1.89	: 36.74	
1984	: .41	: 1.67	: 4.58	: 4.74	: 5.88	: 3.31	: 1.17	: 4.17	: 5.26	: 3.33	: 3.50	: 43.38	
1985	: 1.55	: 3.21	: 5.67	: 1.36	: 3.74	: 2.45	: 4.39	: 3.04	: 4.60	: 8.92	: 2.59	: 45.81	
Central	:	:	:	:	:	:	:	:	:	:	:	:	
Normal	: 1.66	: 1.52	: 2.96	: 4.01	: 3.80	: 4.05	: 3.52	: 3.41	: 2.62	: 2.12	: 2.18	: 35.88	
1984	: .75	: 2.17	: 4.61	: 4.48	: 5.63	: 2.25	: .97	: 2.99	: 3.85	: 3.86	: 2.84	: 37.90	
1985	: 1.78	: 2.92	: 5.62	: 1.84	: 3.11	: 3.96	: 4.14	: 1.86	: 3.56	: 9.20	: 2.49	: 44.20	
East	:	:	:	:	:	:	:	:	:	:	:	:	
Normal	: 1.70	: 1.61	: 2.89	: 3.94	: 3.74	: 4.14	: 3.42	: 3.16	: 2.47	: 2.28	: 2.27	: 35.97	
1984	: .81	: 2.10	: 3.89	: 3.36	: 6.40	: 2.07	: 3.73	: 2.35	: 2.98	: 3.57	: 2.99	: 35.66	
1985	: 1.54	: 3.94	: 5.13	: 1.98	: 2.54	: 3.35	: 4.90	: 1.25	: 3.13	: 8.80	: 2.16	: 43.94	
West Southwest	:	:	:	:	:	:	:	:	:	:	:	:	
Normal	: 1.66	: 1.88	: 3.27	: 3.87	: 4.05	: 3.98	: 3.77	: 3.42	: 3.21	: 2.64	: 2.23	: 36.37	
1984	: .65	: 2.57	: 4.36	: 6.35	: 5.57	: 1.95	: 1.38	: 5.67	: 4.17	: 4.45	: 3.35	: 42.67	
1985	: 1.52	: 4.04	: 4.37	: 2.58	: 2.66	: 5.41	: 3.64	: 5.90	: 1.03	: 2.03	: 3.45	: 46.16	
East Southeast	:	:	:	:	:	:	:	:	:	:	:	:	
Normal	: 2.16	: 2.19	: 3.64	: 3.86	: 3.99	: 4.20	: 4.21	: 3.00	: 2.49	: 3.00	: 2.96	: 38.90	
1984	: .74	: 2.84	: 3.69	: 6.84	: 4.57	: .97	: 2.22	: 6.41	: 4.10	: 4.83	: 4.27	: 43.61	
1985	: 1.43	: 4.52	: 5.76	: 2.85	: 3.32	: 6.33	: 2.18	: .55	: 2.52	: 10.79	: 2.89	: 49.60	
Southwest	:	:	:	:	:	:	:	:	:	:	:	:	
Normal	: 2.53	: 2.71	: 4.29	: 4.07	: 4.21	: 3.92	: 3.89	: 3.09	: 2.41	: 3.46	: 3.24	: 41.28	
1984	: .89	: 3.10	: 4.91	: 4.89	: 3.94	: 1.95	: 2.71	: 2.63	: 7.02	: 5.78	: 5.92	: 50.77	
1985	: 1.77	: 4.05	: 6.16	: 3.71	: 3.76	: 7.09	: 2.20	: .84	: 3.93	: 9.97	: 1.86	: 51.91	
Southeast	:	:	:	:	:	:	:	:	:	:	:	:	
Normal	: 2.89	: 2.88	: 4.58	: 4.36	: 4.44	: 3.94	: 4.02	: 3.33	: 3.01	: 2.48	: 3.60	: 43.18	
1984	: .98	: 3.35	: 6.03	: 5.89	: 4.53	: 2.36	: 3.21	: 1.68	: 5.00	: 6.66	: 6.85	: 52.39	
1985	: 2.02	: 3.66	: 6.44	: 3.14	: 4.59	: 6.73	: 1.92	: 8.54	: 2.52	: 6.07	: 8.71	: 55.81	
1/ 1985 Preliminary.													



Prepared by Wayne M. Wendland, Illinois State Climatologist, Illinois State Water Survey,
a Division of the Illinois Department of Energy and Natural Resources

ILLINOIS WEATHER & CROPS

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RELEASED: MAY 21, 1986

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ILLINOIS DOCUMENTS SUMMARY OF 1985 ILLINOIS WEATHER

The climate of 1985 in Illinois will be remembered as one with below normal temperatures and above normal precipitation rather well distributed throughout the year, which led to a bountiful harvest. Temperatures during the cold seasons were generally below normal which led to many uncomfortable days; however, during the warm season below normal temperatures offered relief and presented little stress to growth.

Precipitation was above normal during the late winter, spring and fall, and near or below normal during the summer. Most notable was the much above normal precipitation which was received over all of Illinois during November, making this the wettest November ever over most of the northern half of the State, and one of the wettest of all months ever recorded.

For the fifth consecutive year Statewide precipitation was above the 30-year average (normal). This is the first time such a situation has occurred in 120 years. The closest wet period included the four years from 1972 to 1975, when Statewide annual precipitation for consecutive years was above normal.

For the year as a whole, temperatures were only slightly below normal and precipitation was above normal. Virtually the entire State experienced temperatures below normal. The largest differences from normal were noted in the West and Northwest (2.6° below normal at La Harpe, and 2.5° below normal at Ottawa), and the Southeast (McLeansboro: 1.7°F below normal). The eastern and southwestern counties were only a few tenths of a degree colder than normal. All of Illinois received more than normal precipitation. A band from Northwestern Illinois to about Kankakee received from 36 to about 40 inches, the least received in the State, whereas Jersey, Macoupin, Pope, Hardin, Saline and Gallatin counties, all received more than 55 inches. These precipitation measurements were between 4 and 6 inches above normal for the northwestern third of the State, and about 10 inches above normal for the remainder of the State, except for Jersey, Greene and Macoupin counties, where precipitation was more than 20 inches greater than normal!

A Walk Through the Months of 1985

January temperatures were 6° to 9°F below normal over the State, and precipitation was also below normal. Heavy snow occurred during the first few days of the year, with 8 to 15 inches falling in the extreme North. Rochelle recorded the coldest temperature ever on the 20th (-33°F), and this typified the cold wave which struck the State from the 19th to the 21st. February temperatures were about 5°F below normal over the State, and precipitation was above normal. An abrupt warming in late February, in addition to snow cover and deep frost in the northern part of the State set the stage for extensive and extreme flooding. Heavy rains (1 to 4 inches) on the 23rd and 24th, enhanced the runoff. The flooding, which began on the 17th, continued through March into April over virtually all of Illinois.

March temperatures were 4° to 6°F above normal, as was precipitation, with more than 7 inches of rainfall at La Harpe, McLeansboro and Harrisburg, contributing to the flooding across most of Illinois. The tornado season began in Illinois during March. Temperatures in April continued above to much above normal, but precipitation was below normal. Rivers and reservoirs retreated into containment by mid-April. May temperatures were 1° to 3°F above normal, whereas those of June were 2° to 4°F below the long term mean. Northern Illinois experienced less than normal rainfall during June, whereas the southern part of the State was above normal.

July temperature was near normal, and precipitation was spotty, varying from 0.5 inch above to over 2 inches below normal. Lawrenceville only received 0.71 inch for the month, whereas 9.47 inches fell at Streator. August was a repeat of June, with below normal temperatures (-3

to -6°F) and below normal rainfall in the North, and above normal rainfall South. Rosiclare recorded 13.63 inches of rainfall, 10.23 inches above normal.

September temperatures were near normal, but rainfall was generally 1 to 2 inches below normal over the State. Kaskaskia only recorded 0.13 inch, more than 3 inches below normal. October introduced a wet (above normal) period that continued and intensified through November. Indeed, rainfall during November broke all-time records for the month at most stations in the northern half of the State. Princeville received 10.35 inches, Ottawa, 9.47 inches; McLeansboro, 7.73 inches; and Jerseyville, 7.43 inches.

December finished the year with much below normal temperatures, and 1 to 2 inches above normal precipitation in the West-Central, and 1 to 3 inches below normal in the Northeast and South. Monthly mean temperatures at many locations were among the 4 or 5 coldest ever recorded during December since the beginning of record-taking.

Severe Weather Events of 1985

Except for flooding, this year's severe weather was not particularly extensive, nor frequent, though its impact was noteworthy. Heavy snowfall was relatively infrequent, with a major storm occurring on the first days of January in the far North, and another in the far Northwest in late November. A strong cold wave occurred over the State from January 19 to 21, which resulted in temperatures less than -20°F over Northern Illinois, many of which set all-time records. A second, memorable cold episode occurred in mid-December, with temperatures of 0°F or less occurring in the northern two-thirds of the State.

Flooding began in the Northeast during the third week of February and spread throughout the State. The Illinois, Kankakee and Wabash Rivers were particularly hard hit, as were the Rock, Pecatonica, DesPlaines, Fox, Spoon, La Moine, Big Muddy and the lower Sangamon. From Havana to Meredosia, the flooding on the Illinois was the worst ever and second worst ever from La Salle to Peoria (within 0.2 ft. of the record).

A tornado near Emden (Logan County) began the season in Illinois on March 28. Another period of tornadoes occurred in Southern Illinois on April 5. The next major outbreak occurred during the second half of May in Northern Illinois, and continued in that area through the first three weeks of June. The severe weather then moved to Central and Southern Illinois during the last week of the month, with particularly extensive severe thunderstorms on May 23. Nearly all the northern half of the State experienced severe thunderstorms and some tornadoes during the first half of July. Only four August days experienced severe thunderstorms, and those on September 8 essentially closed out the season in Illinois. There were a total of 15 tornadoes observed within Illinois during 1985 (average: 28 from 1955-85).

The heavy rains in November contributed to local flooding again, and soils entered the winter season at or near field capacity. Ground frost developed in mid to late December, and held the soil moisture at relatively high levels into winter.

Overall, the 1985 climate in Illinois was relatively free of extreme temperatures and severe weather. There were few intense winter storms. Rainfall on top of snow cover and frozen ground in February brought about severe flooding. The summer recorded only a few days with temperatures greater than 95°F. November rainfall was record-breaking in most all of Northern Illinois, and contributed to widespread flooding. December was very cold (third or fourth coldest ever in many locations), capturing the high soil moisture remaining from November, in the form of ground frost.

1985 Illinois average annual temperature and departure from normal by crop reporting district

	NW	NE	W	C	E	WSW	ESE	SW	SE
Average annual temperatures (°F)	47.0	47.9	49.8	50.2	49.9	51.8	52.6	55.1	55.3
Departures from 1951-80 normal (°F)	-24.7	-19.3	-24.2	-17.7	-16.1	-21.2	-13.6	-14.4	-11.3
Growing Season Departures from normal 1/	-5.5	-4.1	-7.7	-5.8	-5.7	-8.2	-6.9	-5.7	-4.7

1/ Period of May through September.

ILLINOIS WEATHER & CROPS



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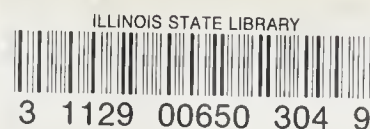
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RELEASED: JUNE 5, 1987

SUMMARY OF 1986 ILLINOIS WEATHER



General

The term "normal" used in this review of 1986 climate refers to the average conditions from 1951 to 1980. Therefore, differences from normal refer to differences from those 30-year averages.

After 5 consecutive years with above normal precipitation, 1986 Statewide precipitation was near normal (-0.11 inch) this year. Although there was a great deal of month-to-month variation, spring months were generally drier than normal, and autumn was wetter than normal. The annual mean temperature for the entire State was also near normal (+.5°). Spring and summer months were warmer than normal, whereas autumn months were colder than normal.

Temperature in Illinois in 1986

Temperature differences from normal varied greatly from month to month during the year. February, May, June, October and December were within 1.5° of normal. August and November were below the mean by 4°, and January, March, April, July and September were above the mean by at least 1.9°. The greatest short-term temperature anomaly of the year was the early-winter cold wave that surged into the State from November 12 to 14, when temperatures fell to the single digits, setting records over most of the State. Interestingly, February was colder than January in the northwestern part of Illinois.

The mean annual temperature pattern over Illinois for the year is relatively simple, essentially showing a south to north gradient, varying from about 58° in the South to 47° in the North. These values are within about 1° of the long-term normal. Northwestern Illinois tended to be 1° below normal, as was the eastern and southern parts of the State, and west-central and southwest Illinois was above normal, generally by as much as 1°.

Illinois Precipitation

The pattern of 1986 precipitation over Illinois was more complex than that for temperature. The heaviest precipitation was recorded in the far northeast, the west-central, and the far southwestern counties (all about 46"). Local minimum areas were located in the north-central part of the State (about 36"), an area from about Kankakee to the West (about 32"), and another area from Jerseyville (Greene County) to Paris (Edgar County). In spite of the rather large differences in annual precipitation, substantial differences from normal are confined to relatively small areas. Lake and parts of Cook, McHenry and Kane Counties were hard hit by the heavy rain in late September and early October, leading to substantial flooding. The far West also received substantial precipitation in September and October (14.5" at Quincy, 8.2" at White Hall, and 12.5" at Jacksonville), and had already recorded from 5 to 7 inches in May. Only Kankakee and part of Iroquois Counties, and an area from Shelby County to the eastern boundary of the State recorded at least 6 inches less than normal precipitation for the year.

Much above or above normal precipitation was received in late September and early October in most all of Illinois, and in parts of the State in February and May. Near normal precipitation (within 1.5 inch of the mean) was the rule in February, May, June, August and December. Below or much below normal precipitation was recorded in January, March, April, and November, helping to break the wet years, i.e., 1981, 1982, 1983, 1984 and 1985, during which virtually all stations in Illinois recorded greater than normal precipitation. The wettest month of 1986 in Illinois was September, and was somewhat reminiscent of November 1985, though not quite as extreme. Although the southern third of Illinois received only slightly greater than average precipitation, central and northern Illinois received

much greater than average. Six or more inches was the rule in central Illinois (except for east-central), and increased to the North, reaching 14 to 16 inches in the far Northeast and Northwest. Since average (normal) September precipitation is about 3 inches in Illinois, the totals in the northern two-thirds of the State this year represent two to five times normal rainfall! Lake, McHenry, Kane, Cook and Du Page Counties were particularly in the news due to flooding damage; however, widespread flooding occurred along most Illinois rivers in late September or early October. Over some areas in northeast Illinois the 10-day precipitation totals approached one in 100-year or greater recurrence frequencies.

Notable Weather During 1986

The lack of snow generally during the 1985-86 winter, highlighted the snowfall of February, i.e., about 5 inches in the extreme northern counties. Even with the February snowfall, however, total winter 1985-86 snowfall was less than normal in Illinois. There was some minor flooding along the Illinois River during the last half of the month of February. Between May 15 to 19, Dixon Springs received 7.25 inches of rain (recurrence frequency of about 10 years). December was mild over the entire State. Not only were temperatures somewhat greater than normal, but the diurnal range was reduced from normal due to cloud cover. The only snow for the first month of winter was 1 to about 3 inches in only the northwestern and northern counties. Only traces of snow were noted elsewhere in Illinois. January was the driest month ever over much of Illinois; indeed, January 1986 precipitation totals became the record low values of any month of the year for many locations in the East, West-southwest and East-southeast Crop Reporting Districts of the State. Record high temperatures were recorded in the northern half of the State on April 25 and 26. Record low temperatures were set August 28 and 29, when many locations dipped into the low 40's. The severe cold wave which moved through the State from November 12 to 14 set several records about the State. Low temperatures on each of the mornings broke all-time low records in central and northern Illinois--and broke the established records by 2 to 5°.

Severe Weather

Measured by precipitation and the number of winter storms, the winter months (January, February and December) were relatively mild this year. Most of central and southern Illinois escaped shoveling snow except for one or two times in February. There were no major blizzards in the State. The tornado frequency this year was less than the long-term average, at least in some categories. For example, there were 9 days when tornadoes were reported in the State, whereas the average for the year is 12. Twenty-one tornadoes were reported, whereas the annual average is 28. There were 12 tornado-related injuries in the State this year (mean: 95), and no tornado-related deaths (mean: 5). There were 6 severe weather-related deaths in Illinois this year: 3 were related to thunderstorms (2 in northeastern Illinois and 1 in the west-central), 1 to lightning (De Kalb County), 1 to the floods in northeastern Illinois in September, and another to strong winds over Lake Michigan in November. In addition, there were 35 days with straight-line windstorms (i.e., strong, damaging, but non-tornadic winds) through September (mean: 28). The heavy rain in the northern half of Illinois during the latter half of September and the first 10 days of October brought on severe flooding, particularly in the northeast part of the State, although flooding was also experienced in the Central and to a lesser degree in the South.

1986 ILLINOIS AVERAGE ANNUAL TEMPERATURE AND DEPARTURE FROM NORMAL BY CROP REPORTING DISTRICT

	NW	NE	W	C	E	WSW	ESE	SW	SE
Average annual temperatures (°F)	49.1	49.7	52.3	51.9	51.8	54.4	54.7	57.4	57.1
Departures from 1951-80 normal (°F)	1.3	2.4	5.9	3.1	6.5	10.0	11.1	13.5	10.2
Growing Season Departures from normal 1/	-1.9	-2.7	0.8	-0.1	2.2	4.5	5.5	6.2	4.5

1/ Period of May through September.

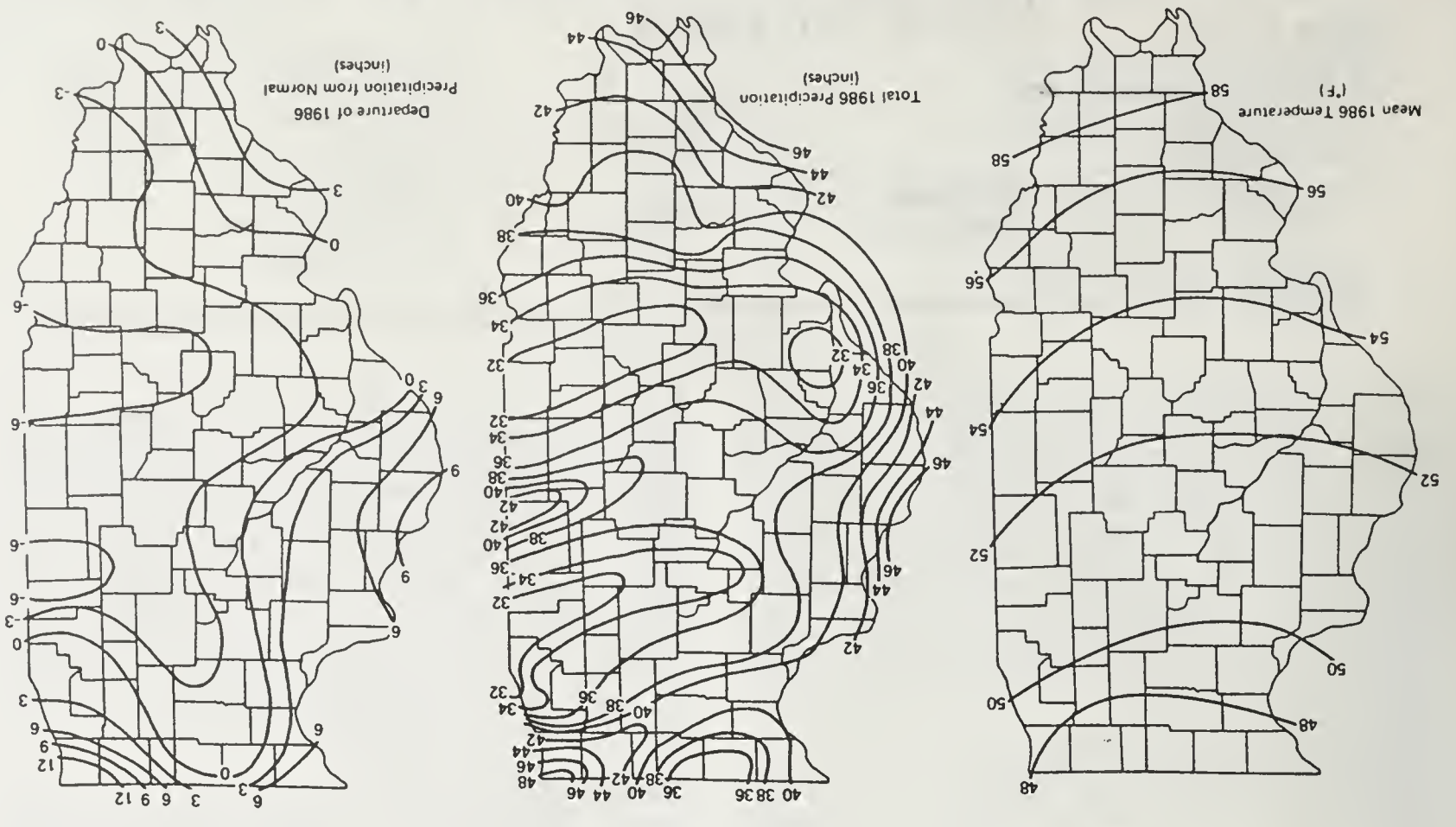
Summary of 1986 Illinois Weather

June 5, 1987

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Precipitation, Illinois by districts, monthly, normal (averages for 1951-80) and 1985-86 1/

District	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Northwest	: 1.47	: 1.20	: 2.54	: 3.91	: 3.85	: 4.20	: 4.21	: 3.76	: 3.53	: 2.77	: 2.07	: 1.92	: 35.43
Normal	: 1.38	: 2.57	: 4.27	: 1.33	: 3.00	: 3.07	: 3.14	: 3.35	: 2.37	: 5.88	: 6.82	: 1.92	: 39.10
1986	: .46	: 2.20	: .96	: 2.16	: 5.50	: 4.61	: 4.77	: 2.60	: 7.01	: 3.78	: 1.00	: 1.14	: 36.19
Northeast	: 1.69	: 1.37	: 2.65	: 3.89	: 3.47	: 4.25	: 4.12	: 3.59	: 3.55	: 2.55	: 2.13	: 2.11	: 35.37
Normal	: 1.69	: 1.37	: 2.65	: 3.89	: 3.47	: 4.25	: 4.12	: 3.59	: 3.55	: 2.55	: 2.13	: 2.11	: 35.37
1985	: 2.05	: 2.66	: 4.38	: 1.77	: 2.65	: 2.46	: 3.78	: 3.59	: 2.35	: 4.68	: 7.73	: 1.75	: 39.85
1986	: .43	: 2.61	: 1.20	: 1.71	: 4.37	: 4.24	: 4.48	: 2.27	: 8.18	: 3.44	: 1.63	: 1.07	: 35.63
West	: 1.56	: 1.48	: 2.98	: 3.89	: 3.97	: 4.20	: 4.08	: 3.87	: 3.88	: 2.99	: 1.95	: 1.89	: 36.74
Normal	: 1.55	: 3.21	: 5.67	: 1.36	: 3.74	: 2.45	: 4.65	: 4.29	: 3.04	: 4.73	: 8.92	: 2.59	: 46.20
1986	: .11	: 2.46	: .87	: 1.76	: 4.75	: 4.50	: 7.66	: 1.94	: 8.41	: 6.17	: 1.20	: 1.79	: 41.62
Central	: 1.66	: 1.52	: 2.96	: 4.01	: 3.80	: 4.05	: 4.03	: 3.52	: 3.41	: 2.62	: 2.12	: 2.18	: 35.88
Normal	: 1.66	: 1.52	: 2.96	: 4.01	: 3.80	: 4.05	: 4.03	: 3.52	: 3.41	: 2.62	: 2.12	: 2.18	: 35.88
1985	: 1.78	: 2.92	: 5.62	: 1.84	: 3.11	: 3.96	: 4.14	: 1.77	: 3.56	: 9.20	: 2.49	: 2.49	: 44.11
1986	: .14	: 2.37	: 1.06	: 1.38	: 4.74	: 5.25	: 5.59	: 1.51	: 7.73	: 5.54	: 1.81	: 2.01	: 39.13
East	: 1.70	: 1.61	: 2.89	: 3.94	: 3.74	: 4.14	: 4.35	: 3.42	: 3.16	: 2.47	: 2.28	: 2.27	: 35.97
Normal	: 1.70	: 1.61	: 2.89	: 3.94	: 3.74	: 4.14	: 4.35	: 3.42	: 3.16	: 2.47	: 2.28	: 2.27	: 35.97
1985	: 1.54	: 3.94	: 5.02	: 1.86	: 2.54	: 3.46	: 4.90	: 5.02	: 1.31	: 3.13	: 8.80	: 2.16	: 43.68
1986	: .07	: 2.35	: 1.01	: 1.79	: 4.28	: 4.70	: 4.33	: 1.51	: 5.79	: 4.24	: 2.39	: 1.59	: 34.05
West Southwest	: 1.66	: 1.88	: 3.27	: 3.87	: 4.05	: 3.98	: 3.77	: 3.42	: 3.21	: 2.64	: 2.39	: 2.23	: 36.37
Normal	: 1.66	: 1.88	: 3.27	: 3.87	: 4.05	: 3.98	: 3.77	: 3.42	: 3.21	: 2.64	: 2.39	: 2.23	: 36.37
1985	: 1.52	: 4.04	: 4.37	: 2.58	: 2.66	: 5.49	: 3.64	: 5.90	: 1.03	: 2.03	: 9.53	: 3.45	: 46.24
1986	: .04	: 2.16	: 1.07	: 1.25	: 2.97	: 3.96	: 6.03	: 1.32	: 6.25	: 5.26	: 1.98	: 1.53	: 33.82
East Southeast	: 2.16	: 3.64	: 3.86	: 3.99	: 4.20	: 4.20	: 4.21	: 3.20	: 3.00	: 2.49	: 3.00	: 2.96	: 38.90
Normal	: 2.16	: 3.64	: 3.86	: 3.99	: 4.20	: 4.20	: 4.21	: 3.20	: 3.00	: 2.49	: 3.00	: 2.96	: 38.90
1985	: 1.43	: 4.52	: 5.74	: 2.80	: 6.33	: 2.09	: 6.55	: .62	: 2.52	: 10.79	: 2.89	: 2.89	: 49.72
1986	: .05	: 2.85	: 2.39	: 3.66	: 2.67	: 7.25	: 1.38	: 4.07	: 5.49	: 1.78	: 1.69	: 1.69	: 35.64
Southwest	: 2.53	: 2.71	: 4.29	: 4.07	: 4.21	: 3.92	: 3.89	: 3.46	: 3.09	: 2.41	: 3.46	: 3.24	: 41.28
Normal	: 2.53	: 2.71	: 4.29	: 4.07	: 4.21	: 3.92	: 3.89	: 3.46	: 3.09	: 2.41	: 3.46	: 3.24	: 41.28
1985	: 1.77	: 4.05	: 6.16	: 3.71	: 7.09	: 2.20	: 6.57	: .84	: 3.93	: 9.97	: 1.86	: 1.86	: 51.91
1986	: .33	: 4.45	: 2.44	: 2.23	: 5.63	: 2.18	: 4.66	: 5.21	: 5.54	: 2.18	: 2.07	: 2.07	: 40.81
Southeast	: 2.89	: 2.88	: 4.58	: 4.36	: 4.44	: 3.94	: 4.02	: 3.33	: 3.01	: 2.48	: 3.65	: 3.60	: 43.18
Normal	: 2.89	: 2.88	: 4.58	: 4.36	: 4.44	: 3.94	: 4.02	: 3.33	: 3.01	: 2.48	: 3.65	: 3.60	: 43.18
1985	: 2.02	: 3.66	: 6.44	: 3.14	: 4.59	: 6.73	: 1.92	: 8.63	: 2.52	: 6.07	: 8.71	: 1.47	: 55.90
1986	: .74	: 4.31	: 2.90	: 2.77	: 6.55	: 2.38	: 5.61	: 3.19	: 3.59	: 4.53	: 2.84	: 2.64	: 42.05
- Inches -													
I/ 1986 Preliminary.													



Prepared by Wayne M. Wendland and Audrey A. Bryan of the Water Survey Division of the Illinois Department of Energy and Natural Resources, Champaign

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RELEASED: JUNE 6, 1988

SUMMARY OF 1987 ILLINOIS WEATHER

PREFACE

Precipitation during the five years, 1981 through 1985, was greater than average in Illinois, and Lake Michigan responded with ever-rising lake levels during that time. Although precipitation in some months of 1986 greatly differed from average, annual precipitation over Illinois was very close to average. Lake Michigan levels moderated, stopped rising, and began to fall slightly by the end of 1986.

SUMMARY STATEMENT

Statewide average precipitation during 1987 was below average for the first year in six. Monthly precipitation, however, at times varied greatly from place to place, with that of August exhibiting the greatest spatial variation. Not only did August rainfall in Illinois vary from only 0.27 inch to more than 17 inches, but the heaviest rainfall fell in northern Illinois, with the least in the South. Interestingly, the wettest months were July, August, November and December, the first two favorably impacting agriculture.

While southern Illinois parched in August, the North flooded. Particularly hard hit was northwestern metro Chicago and environs, where more than 17 inches fell during the month (more than 12 inches in 4 days), with flash flooding the result.

Eight months of 1987 were warmer than average, six of them occurring in the first seven months, and the last two being November and December. The greatest temperature deviations from average occurred in October when the monthly means were 6 to 8° below the long term average.

TEMPERATURE DURING 1987

The adjoining figure shows that mean temperatures over Illinois varied from about 50° in the Northwest, to the mid-50's in central Illinois, to 60° in the far South. In general, these values were within 2° of the 30-year (1951-1980) average, i.e., annual temperatures over the State were near average. Only in a few northwest counties was the mean temperature as much as 4° above average.

PRECIPITATION DURING 1987

The pattern of precipitation over Illinois for the year was somewhat more complex than that of temperature. Annual precipitation was about 30 inches in the Northwest, and 40 inches in the Northeast, being about 6 inches less than average in the former and 6 inches greater than average in the latter case. The substantial August precipitation in Cook and surrounding counties impacted the annual totals as well. A similar distribution was noted in central Illinois, i.e., 30 inches in the West and 40 inches in the east-central part of the State. These values varied from 6 to 9 inches less than average in western and central Illinois, to as much as 5.05 inches greater than average at Champaign. Southern Illinois received from 35 to 40 inches near average in the Southwest, and as much as 6 inches less than average in the Southeast. The 1987 precipitation variations are within 15% to 20% of 1951-1980 average.

RECORD-BREAKING WEATHER IN 1987

Monmouth, Galesburg, Princeville, Ottawa, Paw Paw and Kankakee received no measurable precipitation during all of February. Indeed, they received no precipitation from January 19 through March 1 (40 days).

Very warm air streamed into the State on March 6 and 7, bringing high temperatures into the mid-70's. Mason City recorded 76°, followed by Urbana, Danville, Paris and Salem with 75°. These values set new high temperature records for the 7th. High temperatures moved over the State again during mid-May and continued through the month into June. Champaign observed 12 days with temperatures above 90° in May, twice the average. On June 13, Champaign reached 100°, a new record for the day, and the record-breaking temperatures continued for another day.

The heavy rainfall and resulting flooding in northeastern Illinois in August was a record-breaking and terribly destructive event. Heavy rains fell in northeastern counties from August 13 to 16 and again on the 25th and 26th. On August 13 and 14 Chicago O'Hare recorded the greatest amount of precipitation ever for a 24-hour period, that being 9.35 inches. The 4-day total at O'Hare from the 13th to the 16th was 12.84 inches, 39% of the average annual total! The August O'Hare total was 17.10 inches, exceeding the previous 1-month record at O'Hare by 2.93 inches, set in September 1961. Because the rain in the first storm fell within about 8 hours, standing water rose rapidly, i.e., there were flash floods where people had little or no time to protect or retrieve property. On the 13th and 14th, at least 3 inches of rain fell over virtually all of 8 northeastern Illinois counties.

Two intense storms (cyclones) moved over Illinois during the year which brought atmospheric pressure to extremely low values, particularly in western, eastern and northeastern sections of the State. On March 1, the station pressure in Champaign climbed to 28.42 inches of mercury (corrected to sea level: 29.23 inches). On December 14 station pressure dropped to 28.14 inches (sea level: 28.93 inches), the lowest pressure ever recorded at the Water Survey since 1949.

SEVERE WEATHER IN 1987

The first severe winter storm of 1987 with more than 6 inches of snow in Illinois occurred on January 9 and 10. From 7 to about 12 inches of snow fell along a 100-mile-wide band extending from St. Louis to Kankakee and beyond. Some representative amounts of snow for the two days are: Edwardsville (11.1 inches), Carlinville (8.7 inches), Belleville (7.5 inches), Effingham (7.0 inches), Peoria (5.9 inches), Springfield (8.3 inches), Piper City (12.0 inches), Antioch (6.0 inches), Chicago (10.4 inches), Kankakee (7.0 inches), and Urbana (8.7 inches). Northwestern counties received only 3 inches, and the southeastern part of the State received only rain. There were only light winds with the storm; drifting was minimal.

A second snowstorm moved over the same area of the State about 10 days later, (January 19), dropping from 8 to 10 inches of snow. Another storm (February 16-18) affected only 3 southeastern counties with 6 inches or more snow and some freezing precipitation, and yet another (March 13-14) dropped a like amount, but only affected 2 northeastern counties.

Continued high Lake Michigan levels into early 1987 was cause for shoreline erosion. On February 8 northeasterly winds to 70 mph were observed over southern Lake Michigan and northeastern Illinois. Waves of 12 to 18 feet caused some \$18 million damage along the Chicago shoreline, much directly or indirectly due to shoreline erosion.

All of Illinois north of a line from St. Louis to Lawrenceville received very little precipitation from about January 20 until February 27 (39 days). Indeed, Whitehall, Jacksonville, Carlinville, Mattoon, Mason City, Princeville, Ottawa, Paw Paw and Kankakee received no precipitation during that interval. The dry period ended on February 27 and 28 as a strong cyclone moved through the area bringing 1 to 3 days of rain over the entire state. This late winter storm brought heavy snow to Minnesota, Wisconsin and Michigan, thunderstorms to the south of Illinois (with several tornadoes in Mississippi), while Illinois experienced only strong winds and rain.

The first heavy thunderstorms and tornadoes of the year in Illinois were observed on April 11 in Logan, DeWitt and Champaign counties. One touchdown near Kenney (DeWitt) destroyed a barn. There were no injuries nor loss of life. Another tornado was reported near Morrisonville on April 13, with 2 minor injuries.

The second rash of severe thunderstorms, with hail and a few tornadoes was observed in central Illinois on the night of May 21 and into the next morning. On June 11 a line of severe thunderstorms moved through the northeastern counties of the State. Heavy local precipitation was reported, and winds to 55 mph, but no tornadoes.

The year 1987 was relatively free of tornadoes. Only 22 were observed in the State compared to an average of 28. There were only 13 tornado days during the year. Importantly, there were no tornado-related deaths, and only 2 injuries during the year.

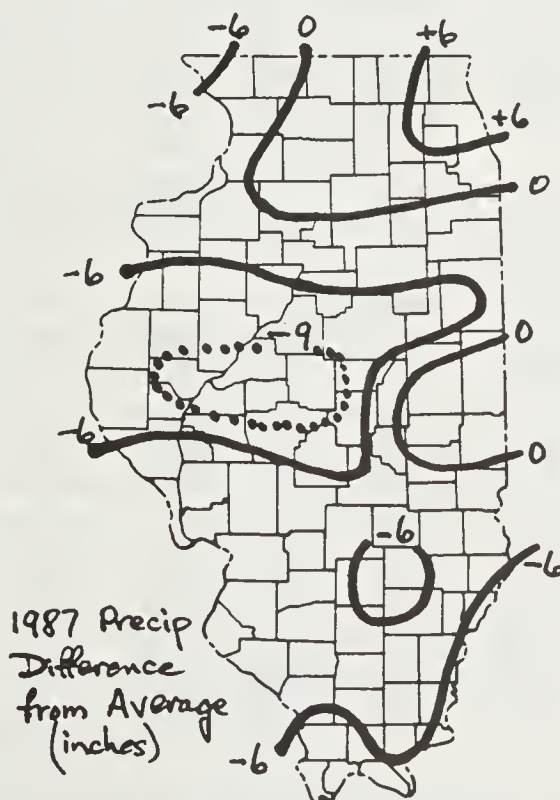
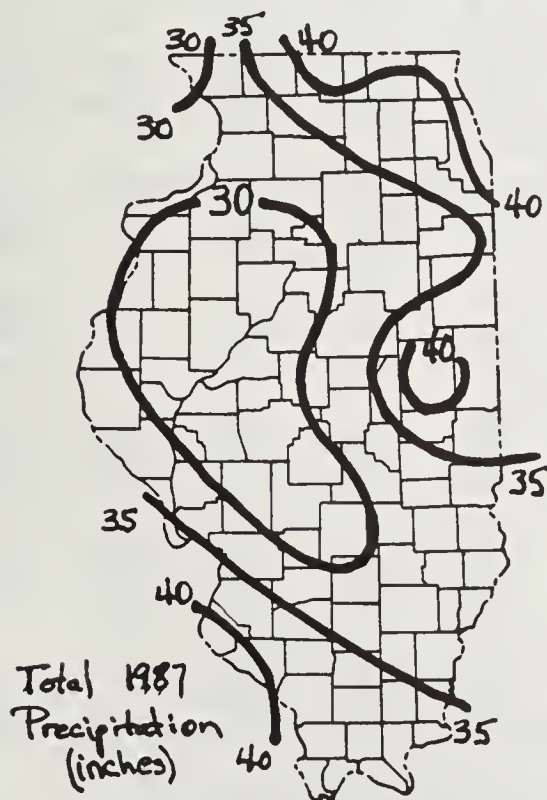
The first severe winter storm of the 1987-88 winter sped through Illinois on December 14 and 15, dropping up to 15 inches of windswept snow in the north and northwestern parts of the State. The cyclone which caused the storm, moved north-northeastward from about Cairo near Champaign to Chicago within about 12 hours. Up to 20 deaths were attributed to the storm in Illinois. The Chicago metro area, while not receiving the greatest snowfall (averaging about 8 inches), was particularly hard hit. Roads in the northeastern counties were impassible for 24 hours, O'Hare was closed for about 12 hours (only the 4th time in 20 years), and up to 165,000 electrical customers were without power for periods of a few hours to a day or so. About 1/3 of the State received at least 6 inches of snow.

The second winter storm of the 1987-88 winter occurred on December 28. Six inches or more snow fell on all or part of only 11 northeastern Illinois counties, and the area of snowfall was restricted to the northern quarter of the State. From 12 to 13 inches were recorded in Lake and Lee counties.

1987 ILLINOIS AVERAGE ANNUAL TEMPERATURE AND DEPARTURE FROM NORMAL BY CROP REPORTING DISTRICT

	<u>NW</u>	<u>NE</u>	<u>W</u>	<u>C</u>	<u>E</u>	<u>WSW</u>	<u>ESE</u>	<u>SW</u>	<u>SE</u>
Average annual temperatures (°F)	51.2	51.4	54.2	53.4	52.8	55.5	55.5	57.7	57.4
Departures from 1951-80 normal (°F)	2.2	2.0	2.4	1.8	1.5	1.9	1.7	1.4	1.1
Growing Season Departures from normal 1/	1.4	1.5	2.1	1.9	1.8	2.5	2.3	2.1	1.7

1/ Period of May through September.



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Summary of 1987 Illinois Weather
June 6, 1988

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Precipitation, Illinois by districts, monthly, normal (averages for 1951-80) and 1986-87 1/

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	- Inches -												
Northwest													
Normal	1.47	1.20	2.54	3.91	3.85	4.20	4.21	3.76	3.53	2.77	2.07	1.92	35.43
1986	.46	2.20	.96	2.16	5.50	4.61	4.77	2.60	7.01	3.78	1.00	1.14	36.19
1987	.92	.34	2.25	1.71	4.21	2.60	2.48	11.33	1.91	.81	3.13	3.93	35.62
Northeast													
Normal	1.69	1.37	2.65	3.89	3.47	4.25	4.12	3.59	3.55	2.55	2.13	2.11	35.37
1986	.43	2.61	1.20	1.71	4.37	4.24	4.48	2.27	8.18	3.44	1.63	1.07	35.63
1987	1.55	.15	1.70	3.04	4.23	3.11	3.99	11.02	2.30	1.32	3.14	4.61	40.16
West													
Normal	1.56	1.48	2.98	3.89	3.97	4.20	4.08	3.87	3.88	2.99	1.95	1.89	36.74
1986	.11	2.46	.87	1.76	4.75	4.50	7.66	1.94	8.41	6.17	1.20	1.79	41.62
1987	1.36	.26	2.96	1.82	1.85	2.36	2.15	6.24	2.50	.79	3.00	3.50	28.79
Central													
Normal	1.66	1.52	2.96	4.01	3.80	4.05	4.03	3.52	3.41	2.62	2.12	2.18	35.88
1986	.14	2.37	1.06	1.38	4.74	5.25	5.59	1.51	7.73	5.54	1.81	2.01	39.13
1987	1.89	.25	2.07	2.31	1.64	3.55	2.58	4.14	1.52	1.27	3.31	4.60	29.13
East													
Normal	1.70	1.61	2.89	3.94	3.74	4.14	4.35	3.42	3.16	2.47	2.28	2.27	35.97
1986	.07	2.35	1.01	1.79	4.28	4.70	4.33	1.51	5.79	4.24	2.39	1.59	34.05
1987	1.74	.19	1.35	3.22	3.47	3.98	4.97	4.58	1.85	1.32	3.66	4.67	35.00
West Southwest													
Normal	1.66	1.88	3.27	3.87	4.05	3.98	3.77	3.42	3.21	2.64	2.39	2.23	36.37
1986	.04	2.16	1.07	1.25	2.97	3.96	6.03	1.32	6.25	5.26	1.98	1.53	33.82
1987	1.89	.45	2.13	2.85	1.35	2.44	3.50	3.82	1.77	1.37	4.27	5.49	31.33
East Southeast													
Normal	2.16	2.19	3.64	3.86	3.99	4.20	4.21	3.20	3.00	2.49	3.00	2.96	38.90
1986	.05	2.85	2.39	2.36	3.66	2.67	7.25	1.38	4.07	5.49	1.78	1.69	35.64
1987	2.19	.80	1.44	2.72	1.78	3.72	7.25	1.85	2.22	1.53	4.20	5.76	35.46
Southwest													
Normal	2.53	2.71	4.29	4.07	4.21	3.92	3.89	3.46	3.09	2.41	3.46	3.24	41.28
1986	.33	4.45	2.44	2.23	5.63	2.18	4.66	3.89	5.21	5.54	2.18	2.07	40.81
1987	1.33	2.57	2.38	2.23	1.89	4.05	6.24	3.72	2.21	2.08	4.33	7.52	40.55
Southeast													
Normal	2.89	2.88	4.58	4.36	4.44	3.94	4.02	3.33	3.01	2.48	3.65	3.60	43.18
1986	.74	4.31	2.90	2.77	6.55	2.38	5.61	3.19	3.59	4.53	2.84	2.64	42.05
1987	1.15	2.74	2.48	2.62	2.81	4.36	5.74	1.75	1.90	1.55	3.82	6.44	37.36

1/ 1987 Preliminary.

Prepared by Wayne M. Wendland, Illinois State Climatologist, Illinois State Water Survey,
a Division of the Illinois Department of Energy and Natural Resources

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SUMMARY OF 1989 ILLINOIS WEATHER

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Prepared by the Illinois State Water Survey, Champaign

SUMMARY STATEMENT: Precipitation varied from 25 to 30 inches in the Northwest and West to a bit over 50 inches in the far Southeast. Totals in the Northwest and West were from 9 to 12 inches less than average, whereas those in the far Southeast were 6 to 9 inches greater than average. Annual temperatures in Illinois were average to about 3°F above average in the Southeast. Those in the Northwest were average to 3°F below average. Temperatures in the western sector of Illinois were 6° to 9°F below the 30-year average.

AVERAGE TEMPERATURE DURING THE YEAR: January's temperatures were 6° to 8°F above the 30-year average, however few new records were established. The first burst of arctic air moved through the State on January 31 and February 1, bringing temperatures in northern Illinois to the single digits. January in Illinois became one of the warmest of record (4th in Champaign).

As much above average as was January, February was perceived as winter, when temperatures averaged 10° to 15°F below average over the State. Temperatures did moderate somewhat during the third and fourth weeks of the month.

During March, temperatures were near average, except for the Lawrenceville area where they were about 4°F above average. April was similar, except that northern Illinois was 2° to 3°F below average.

May temperatures were as much as 6°F below average in the South, but near average in the North. Temperatures for June through October were within 4°F of the long term average. November temperatures were near average in the northern three-fourths of the State, but 6°F above average in the far South. Those of December were mostly 6° to 10°F below average, but as much as 14°F below average in eastern Illinois.

AVERAGE PRECIPITATION DURING THE YEAR: The pattern of precipitation from January through March was essentially the same: heavy in the South and light in northern Illinois. For example, in January the northern half of the State recorded less than one inch, whereas precipitation increased to as much as four inches in the southern-most counties. February's pattern was much the same, the only difference being northern Illinois receiving about one inch, and southern Illinois receiving ever-increasing precipitation to the South, reaching as much as nine inches in the southern counties. Across the Ohio River to the South, Paducah received more than 11 inches during the first 15 days of the month. The resulting flooding was widespread in southern Illinois after about February 18. Again in March, the northern two-thirds of the State received two to three inches, whereas the South measured up to eight inches.

The pattern of rainfall changed in April, varying from one to three inches in the North and Southwest, and four to six inches in the Southeast.

During the first week of August a strong cold front passed through the State, bringing several inches of rainfall to extreme northern and southern Illinois, but yielding essentially no rain to the mid-section.

MEMORABLE WEATHER EVENTS OF THE YEAR: Northeastern and central Illinois were plagued by freezing rain and drizzle on the evening of February 1, and continuing into the 2nd. Accidents were rampant in Chicago. Four to six inches of snow fell along a narrow band from Quincy to southern Cook County on February 20-21. There was little wind with the snow, and little cold air thereafter.

Strong thunderstorms with intense lightning moved over north central Illinois on June 23 and again on the 27th. Rainfall was very variable during each storm. Within Champaign County rainfall varied from 2.06 inches at the Water Survey to less than 0.50 inch in western Champaign to nothing just four miles north of the city.

Several funnel clouds were reported in Champaign, Vermilion and Edgar Counties around noon on July 19.

About a dozen individuals were struck by lightning during late July and August, particularly in northern Illinois. Virtually all were golfing, either standing under a tree for protection from the rain, or standing, representing the highest point in the local area.

A line of thunderstorms with strong winds moved through east central Illinois on August 31 and September 1. Trees were downed and some damage to mobile homes was reported in Fisher.

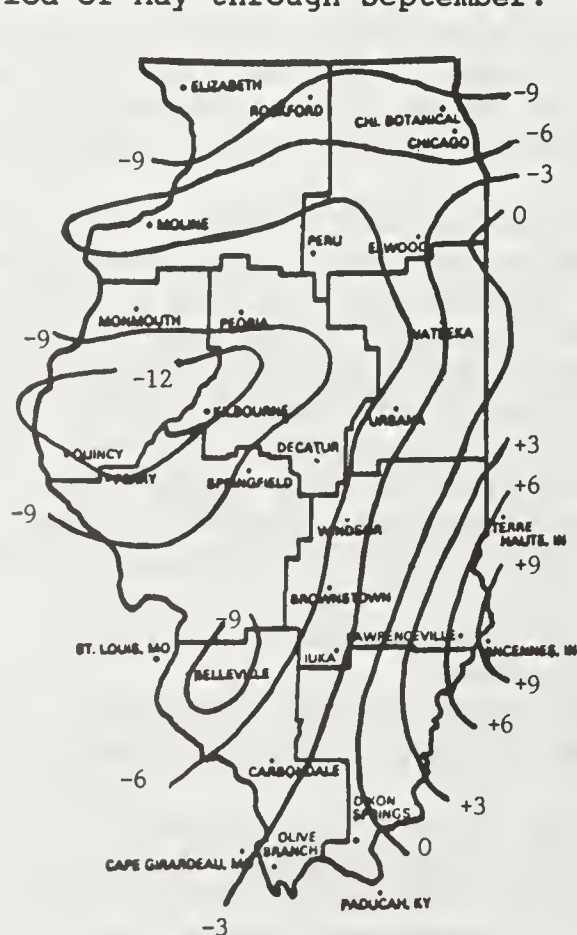
Severe weather re-entered the State again on September 7th and 8th, when a cold front stalled over Illinois. Rainfall amounts in the northern half of the State generally exceeded two inches for the two days. There were non-verified reports of in excess of eight inches at non-National Weather Service sites. Funnel clouds were seen in Champaign County on the 8th.

For the year, Illinois experienced only thirteen tornadoes throughout the State (average is 28). There were no tornado-related deaths, but 56 injuries, all occurring during the late afternoon of January 7 in Wabash County.

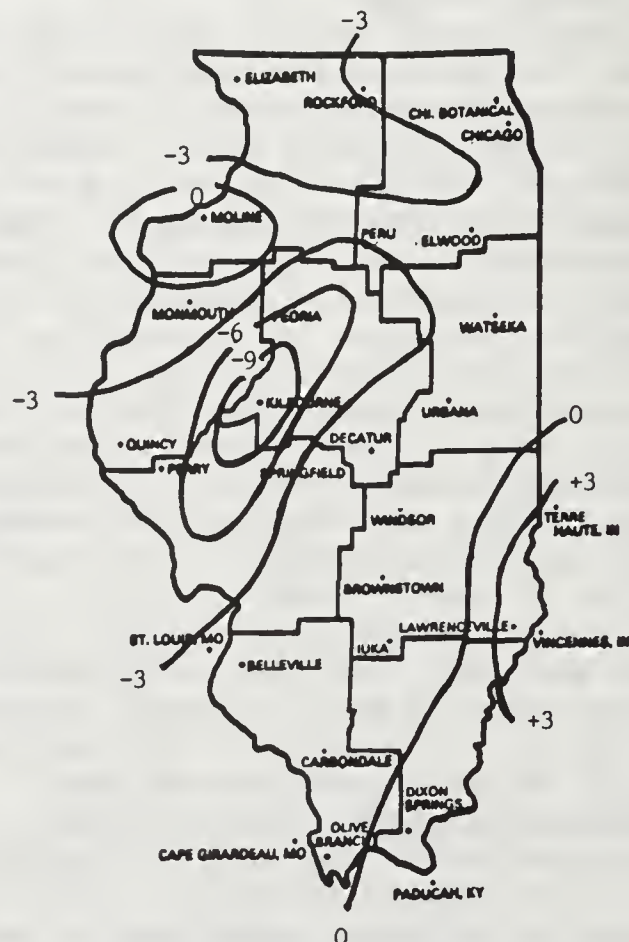
1989 ILLINOIS AVERAGE ANNUAL TEMPERATURE AND DEPARTURE FROM NORMAL
BY AGRICULTURAL STATISTICS DISTRICT

	NW	NE	W	C	E	WSW	ESE	SW	SE
Average annual temperatures (°F)	47.2	47.5	50.1	49.5	49.1	51.7	52.5	54.3	54.3
Departures from 1951-80 normal (°F)	-1.9	-1.9	-1.8	-2.2	-2.1	-1.8	-1.3	-2.0	-2.0
Growing Season Departures from normal <u>1/</u>	-1.6	-1.6	-1.9	-2.4	-2.0	-2.1	-1.6	-2.4	-2.4

1/ Period of May through September.



PRECIPITATION DEPARTURES
FROM AVERAGE - 1989



TEMPERATURE DEPARTURES
FROM AVERAGE (°F) 1989

Drought began to emerge again during the growing season of 1989. The precipitation deficit of the previous year in west-central Illinois continued to exert influence on soil moisture, but particularly on streamflow. Most of the streams reported to the Water Survey reported levels in the lowest ten percentile during early July.

The total moon eclipse on the evening of August 16 was lost to about the southern half of Illinois due to a thin, but persistent stratus deck.

The first snow (trace) in Champaign of the 1989-90 winter was recorded on October 18. It continued into the 19th over northeastern and east-central Illinois where two to five inches were reported, although most melted upon touching the still warm ground. Although not the earliest-ever snow in the State, this snowfall did make for the snowiest-ever October on record in several stations in the East and Northeast.

SEVERE WEATHER IN 1989: A severe storm swept through southern and east central Illinois on January 7, though it was not accompanied by snow and wind. Daytime high temperatures were in the high 50's in the north and 60's in the south, supported by strong southerly winds. That evening the cold front moved through southern Illinois, dropping temperatures to the 30's by morning. The front sponsored strong thunderstorms and tornadoes in the southern part of the State. Allendale (Wabash Co.) was devastated, with about half of the 300 structures of the town totally destroyed, and some 40 people hospitalized. Luckily, no deaths occurred in spite of the intensity of the storm and the extent of damage.

The first severe winter storm of 1989 in Illinois, and the third of the 1988-89 season was that of February 4. Some six inches of snow fell in west-central Illinois. There was little wind with the snow. (The first and second storms of the 1988-89 winter season were those of December 26, 27 and 28, 1988.

During the third week of February, heavy rains in southern Illinois, Kentucky and Tennessee resulted in large scale flooding. The extent of the flooding included areas of the 20 or so southern-most Illinois counties and virtually all of Kentucky.

Two storms hit during the weekend of March 4-6, becoming the fourth and fifth seasonal winter storms of 1988-89. The first hit during the morning of March 4, when freezing rain fell over northern counties, particularly the northeast. Chicago roads were glazed well into the rush hour traffic. Predictably, there were many traffic accidents.

The second storm of the weekend, and the worst of the 1988-89 winter, struck during the night of March 4-5, when freezing rain glazed central Illinois. Traffic was affected, but no structural damage was recorded. Late on March 5 and continuing into the morning of the 6th, a band of heavy snow moved into Illinois near St. Louis and moved toward the east-northeast. Within the confines of that 60 mile wide band, eight to 12 inches of snow fell. However, less than two inches fell north of a line from about Springfield to Kankakee, and south of a line from Carbondale to Lawrenceville. The storm was accompanied by northerly winds up to 35 mph with much drifting and restricted visibility at least in rural areas.

The first tornadoes of the year occurred in early April (3rd) in White County. Scores of houses were destroyed, and there were some injuries, but no deaths. The relatively late beginning of the tornado season in Illinois reflects the relatively cool late winter and early spring. Severe thunderstorms moved through central Illinois on the nights of April 26-27 and April 27-28, spawned by a near stationary front which had been in central Illinois since the 22nd. No tornadoes were reported in Illinois although some small hail was reported. Strong straight line winds (54mph at Effingham, 43 mph at Champaign) resulted in some tree damage in Monticello, Casey and Effingham.

The next band of severe weather in Illinois occurred almost one month later, during the early morning hours of May 24 and again on the 25th. Several strong squall lines of heavy thunderstorms moved across the northern half of the State on the 24th. Winds 50 to 60 mph were common from Elgin to the suburbs, where several mobile homes, light aircraft, barns and silos were destroyed. A tornado was reported just south of Springfield. On the afternoon and evening of the 25th several north-south squall lines swept across central Illinois. Tornadoes were reported in Sangamon County. Hail was common, and rainfall amounts varied from about 1.5 to 2.0 inches for the day. Camargo (Douglas Co.) was targeted by 1.0 to 1.5 inch hail. Trees within the city were shredded leafless, and foot-high "windrows" of hail remained along some streets until the following afternoon.



NEWSPAPER TIME VALUE

Illinois Weather & Crops
June 15, 1990

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Precipitation, Illinois by districts, monthly, normal (averages for 1951-80) and 1988-89 1/

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
- Inches -													
<u>Northwest</u>													
Normal	1.47	1.20	2.54	3.91	3.85	4.20	4.21	3.76	3.53	2.77	2.07	1.92	35.43
1988	1.85	0.75	2.02	2.19	1.94	0.76	1.16	3.56	1.79	2.53	3.75	1.41	23.71
1989	0.86	0.92	1.86	2.06	2.15	3.43	3.33	5.52	5.97	1.16	0.92	0.59	28.77
<u>Northeast</u>													
Normal	1.69	1.37	2.65	3.89	3.47	4.25	4.12	3.59	3.55	2.55	2.13	2.11	35.37
1988	1.94	1.31	2.25	2.65	1.61	1.12	2.45	3.69	2.07	2.99	5.08	2.02	29.18
1989	0.80	1.06	1.60	1.55	2.46	3.56	5.22	4.39	4.62	1.37	2.02	0.53	29.18
<u>West</u>													
Normal	1.56	1.48	2.98	3.89	3.97	4.20	4.08	3.87	3.88	2.99	1.95	1.89	36.74
1988	1.90	0.73	1.88	1.50	2.12	1.99	0.69	3.05	1.71	1.47	3.57	1.53	22.14
1989	0.84	1.09	0.80	3.46	2.73	3.14	2.54	4.06	3.91	1.55	0.70	0.75	25.57
<u>Central</u>													
Normal	1.66	1.52	2.96	4.01	3.80	4.05	4.03	3.52	3.41	2.62	2.12	2.18	35.88
1988	1.86	1.04	2.78	1.81	1.49	0.72	0.77	2.59	1.93	1.83	4.42	2.47	23.71
1989	0.99	1.26	1.27	4.22	3.19	1.67	3.23	3.65	5.96	1.41	1.44	0.89	29.18
<u>East</u>													
Normal	1.70	1.61	2.89	3.94	3.74	4.14	4.35	3.42	3.16	2.47	2.28	2.27	35.97
1988	1.66	1.15	2.91	1.98	1.42	0.37	1.66	2.05	2.68	3.40	4.97	2.89	27.14
1989	1.15	1.19	1.63	4.00	4.62	2.18	3.72	3.49	5.94	1.31	1.65	0.70	31.58
<u>West Southwest</u>													
Normal	1.66	1.88	3.27	3.87	4.05	3.98	3.77	3.42	3.21	2.64	2.39	2.23	36.37
1988	2.19	2.47	3.87	1.22	1.62	1.42	2.91	2.08	1.70	1.99	5.92	3.31	30.70
1989	1.52	1.34	2.61	3.52	4.31	1.57	2.96	2.64	4.64	1.45	0.97	0.86	28.39
<u>East Southeast</u>													
Normal	2.16	2.19	3.64	3.86	3.99	4.20	4.21	3.20	3.00	2.49	3.00	2.96	38.90
1988	2.68	3.30	4.40	1.51	1.52	0.83	4.16	1.48	1.79	2.76	6.31	2.66	33.40
1989	1.94	1.61	4.69	4.94	4.68	2.56	3.65	4.20	5.94	1.55	1.74	1.03	38.53
<u>Southwest</u>													
Normal	2.53	2.71	4.29	4.07	4.21	3.92	3.89	3.46	3.09	2.41	3.46	3.24	41.28
1988	2.34	3.00	4.79	1.69	2.25	1.13	4.61	2.26	5.08	3.30	6.24	2.61	39.30
1989	3.13	5.46	6.18	2.50	3.21	5.44	2.25	2.71	2.68	2.35	1.60	1.39	38.90
<u>Southeast</u>													
Normal	2.89	2.88	4.58	4.36	4.44	3.94	4.02	3.33	3.01	2.48	3.65	3.60	43.18
1988	2.74	4.22	4.72	2.26	2.14	1.17	5.59	1.73	3.55	3.58	7.16	2.29	41.15
1989	4.01	7.13	7.53	2.58	3.52	5.59	4.34	4.44	2.48	2.34	2.00	1.48	47.44

1/1989 Preliminary

Source: National Oceanic and Atmospheric Administration

ILLINOIS WEATHER & CROPS



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U.S. DEPARTMENT OF AGRICULTURE
ILLINOIS DEPARTMENT OF AGRICULTURE

RELEASED: August 28, 1991

VOL. 12, NO. 25

SUMMARY OF 1990 ILLINOIS WEATHER

Prepared by the Illinois State Water Survey, Champaign

SUMMARY STATEMENT: Annual temperatures over Illinois during 1990 were near average, being only 1°F (northwest) to 4°F (southeast) above the long-term average. Precipitation over all of Illinois, however, was equal to or greater than average. Some locations in east-central and southern Illinois ended the year with the second to about the fifth wettest year on record, only two years after the drought of 1988 (which was the fifth driest on record.)

MONTHLY WEATHER: Although much of December 1989 was colder than the long term average, January 1990 was above average in Illinois. Not only were January temperatures 12°F to 16°F above average, but precipitation was limited to one inch or less except for the southernmost counties where as much as eight inches were received. February temperatures were 6°F to 8°F above average, however, precipitation varied from the long term average in the north to two to three times the average further south. On the whole, the 1989-90 winter was a bit warmer than average (with great variation from December to January) and snowfall was about half the average. There were fewer than average severe winter storms.

March precipitation was about average, but temperatures continued a few degrees above average. April was colder than average over the entire State, and somewhat drier than average.

The droughty conditions of late winter and March and April were compensated by the above average (and record or near record) precipitation of May and June. May was among the wettest May's on record in much of central Illinois, as was June. This condition resulted in late planting, particularly in the southern third of the State.

The summer was unusual in that temperatures were below average and precipitation was average or greater. In addition, precipitation was rather equally spread throughout the growing season. Crops did well, and there were virtually no times during the summer in central Illinois when lawns needed watering. Only in late August, did drying become apparent. There were a few episodes with hot, humid weather, but they were short lived, followed by longer periods of cooler, dry air from Canada.

Early October brought four days with heavy precipitation to the State, particularly to east-central Illinois. Although the amounts generally exceeded four inches during the four days, little flooding resulted since the rain was rather steady during the period.

November was very warm and dry in the upper Midwest. Temperatures were about 8°F above average for the month in Illinois although they were below average from the 6th to the 13th, and precipitation was about half the average. On November 21 average daily temperatures were between 20°F and 25°F above the 30-year average.

The year ended with a fury of stormy weather. Although month-long December temperatures in Illinois were near average, precipitation was substantially wetter than average, particularly in southern Illinois. Temperatures plunged to well below average from the 23rd through the end of the year. Precipitation was about twice the average for the State, mostly the result of three major winter storms. The first, on December 22 and 23, dropped substantial freezing rain, and from six to ten inches of snow along an area from St. Louis to Danville. Travel was severely hampered, although there was little structural damage. The second storm occurred from the 26th to the 27th, when nine to 11 inches of snow, again, mixed with light freezing precipitation, fell within about 50 miles of a line from Carbondale to Lawrenceville, although some snow spread virtually over the State. The third storm occurred on the 29th, when temperatures were in the 40's and 50's, and rain, generally in excess of two inches, hit central and southern Illinois.

UNUSUAL WEATHER EVENTS: Illinois temperatures during January, February, and March were above the average. April proved to be the turnaround, with colder than average temperatures and a seemingly lengthened winter. The Illinois State Water Survey weather station at Champaign reported no thunderstorms during April (average: five), a most unusual event. Late winter through spring was particularly wet in the southern third of the State, So wet, in fact, that corn planting was much delayed, particularly in the southern half

of the State. As May yielded to June, the max band of precipitation shifted northward, so that by mid-June it lay across mid-State.

The first major storm of late autumn-early winter in Illinois occurred on November 27 and 28. A strong cold front with a temperature gradient of 40°F passed over Illinois from about 6:00 p.m. on the 27th to about 6:00 a.m. on the 28th (recurrence frequency of this magnitude one-day temperature change is about once per four years in Illinois).

Southerly winds to 45 mph preceded the front, with showers and thunderstorms, some hail and tornadoes. The heaviest weather extended generally from St. Louis to Chicago. Hail and tornadoes were reported in southwest and west central Illinois. The main feature of the event was heavy precipitation and flooding. All the State received at least one inch of rain, except for extreme northwestern and extreme southern counties. Greatest precipitation occurred in Cook and surrounding counties, with two-day totals exceeding two inches at virtually all stations in that area, and some exceeding six inches in 48 hours (extreme northwest Indiana and adjacent Illinois). Metropolitan Chicago (particularly south side) was plagued with flooded streets and highways for two days after the storm, many with six foot or more standing.

SEVERE WEATHER: The first severe winter storm in Illinois for 1990, and indeed, for the 1989-90 winter, occurred January 25. Six inches or more of snow fell north of a line from the northwest suburbs of Chicago to Peoria to Quincy. The storm was accompanied by strong winds, gusts in excess of 60 mph occurred during the early morning in the northern half of the State. Heaviest snowfall (eight to 12 inches) fell in Lake and McHenry Counties.

The fourth and last severe winter storm of 1989-90 occurred on March 23 and 24. A strong cyclone moved out of the southwest U.S. and dropped snow on Illinois south of a line from Kankakee to Quad Cities. Six inches or more snow accumulated over Illinois south of a line from Quincy to Effingham. Eight to ten inches fell south of a line from St. Louis to Lawrenceville to extreme southern Illinois.

On the evening of May 15 and into the morning of May 16 several waves of severe thunderstorms moved through central Illinois from the western to the eastern border. Two inches of rainfall was common from about Belleville through Mason City to Danville. More than three inches was measured from Champaign to Mason City. Tornadoes were reported, and flooding occurred in several central Illinois localities. Storm precipitation amounts were as much as 3.41 inches within six hours (a 50-year event) in Champaign. As the cold front continued to move to the southeast, a similar band of heavy rain fell in southern Illinois on the night of May 16 and 17. Three inch or more rains were noted from Lawrenceville to Harrisburg. Local flooding was common along the Sangamon, Little Wabash, and other rivers in the State. Over-bank conditions continued as much as one week after the rainfall event.

Severe thunderstorms with heavy rainfall, hail and tornadoes, again, occurred over much of Illinois on June 2, followed by others on the 6th and 7th, the 17th and the 19th and 20th. More than one inch fell during each of those storms over substantial areas of the State. Tornadoes were reported in central Illinois again on the 2nd and the 19th and 20th.

During July and August, severe thunderstorms were generally confined to northern Illinois. Heavy rain and flooding impacted north central and northeastern Illinois in mid-August, following some four to five inches of rain within a few hours during the week of August 13.

On Tuesday, August 28, a tornado emerged near Janesville, WI, in south-central Wisconsin, progressed to near Rockford, Aurora, Joliet, Oswego, and Plainfield, IL. The tornado was exceptionally strong. This tornado was rated the strongest of six possible tornado categories. Some 28 people lost their lives, more than 350 were injured, and damage was in excess of \$100 million. Very likely, this was the strongest tornado ever to hit Illinois. The Tri-state tornado in 1925 was much deadlier, having killed more than 600 people in the State, but in terms of wind strength, the August 1990 tornado appears to have been the record event.

Although the data have not yet been fully analyzed, it appears that 1990 will be remembered as one with an especially high frequency of tornadoes in Illinois.

The first severe winter storm of the upper Midwest of the 1990-91 winter in Illinois occurred from late on the 2nd through most of December 3. A cyclone moved across extreme northwestern Illinois bringing six inches or more of snow north of a line from Mt. Carroll through Rockford. The Quad Cities received 12 inches by noon on the 3rd. Dubuque measured 15 inches and Madison, Wisconsin 17 inches at the storm's end. The Western suburbs of Chicago received some snow, but the storm was primarily recognized there by strong northeasterly, and then westerly and northwesterly winds, overcast skies, and rain or sleet followed by flurries. Central Illinois observed only rain and gusty winds. The brunt of the snowfall missed Illinois, primarily hitting Iowa and Wisconsin, where it was a full-blown blizzard.

On December 22 and 23, another severe winter storm moved through Illinois, beginning as freezing precipitation and ending with snow. The thickest accumulations of freezing rain and heaviest snowfall occurred from St. Louis to Urbana. These were two separate events, but separated only by a few hours. Total snowfall varied from four to ten inches along the center line of the storm, tapering to no precipitation 40 to 50 miles either side of that line. The St. Louis airport was closed for several hours on the 23rd due to accumulated ice and poor visibility in snow.

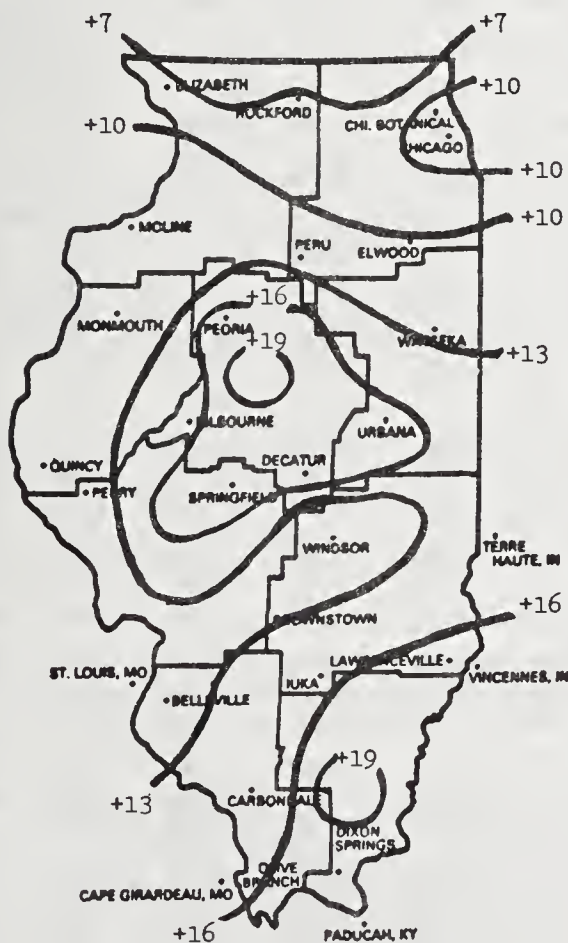
The third severe winter storm of the season began on December 26 continuing into the 27th. Snow moved through Illinois from the south, spreading northeastward. Snowfall was greatest within about 50 miles of a line from Carbondale (11 inches) to Lawrenceville (six to nine inches). Little wind was associated with the snowfall.

December closed out with heavy rain on the 29th in eastern and southern Illinois, changing to freezing precipitation and snow that evening in central and northern portions of the State. Rainfall amounts were generally in excess of two inches south of a line from Kankakee to Quincy. Heaviest precipitation was 2.97 inches at Charleston and 3.27 inches at Effingham. In east central Illinois, the rain fell atop six to eight inches of snow from a few days earlier, which quickly melted, resulting in severe flooding along the Kankakee River, and most of Indiana. The 18 hour precipitation rate in Champaign was a once in about 40 year event, but with the added snow-melt, the combination of the two was about a once in 100 year event.

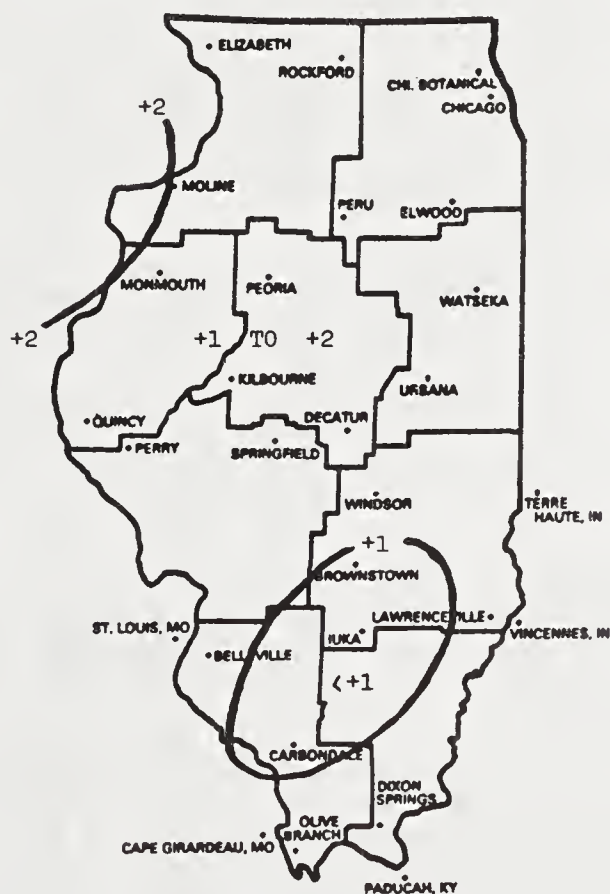
**1990 ILLINOIS AVERAGE ANNUAL TEMPERATURE AND DEPARTURE FROM NORMAL
BY AGRICULTURAL STATISTICS DISTRICT**

	NW	NE	W	C	E	WSW	ESE	SW	SE
Average annual temperatures (°F)	50.1	50.6	52.5	52.6	52.2	54.8	55.2	57.0	57.3
Departures from 1951-80 normal (°F)	1.8	1.6	1.4	1.8	1.7	2.0	2.2	1.4	1.8
Growing Season Departures from normal 1/	-0.5	-1.1	-1.2	-1.1	-1.3	-0.5	-0.6	-0.9	-0.9

1/ Period of May through September.



PRECIPITATION DEPARTURES
FROM AVERAGE - 1990



TEMPERATURE DEPARTURES
FROM AVERAGE (°F) 1990

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NEWSPAPER TIME VALUE

Illinois Weather & Crops
August 28, 1991

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Precipitation, Illinois by districts, monthly, normal (averages for 1951-80) and 1989-90 1/

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
- Inches -													
<u>Northwest</u>													
Normal	: 1.47	1.20	2.54	3.91	3.85	4.20	4.21	3.76	3.53	2.77	2.07	1.92	35.43
1989	: 0.86	0.92	1.86	2.06	2.15	3.43	3.33	5.52	5.97	1.16	0.92	0.59	28.77
1990	: 1.35	1.49	3.65	2.77	6.16	7.40	4.37	4.84	0.91	2.39	2.90	2.12	40.35
<u>Northeast</u>													
Normal	: 1.69	1.37	2.65	3.89	3.47	4.25	4.12	3.59	3.55	2.55	2.13	2.11	35.37
1989	: 0.80	1.06	1.60	1.55	2.46	3.56	5.22	4.39	4.62	1.37	2.02	0.53	29.18
1990	: 1.74	2.04	2.87	1.65	5.31	4.67	3.71	5.50	1.15	3.48	5.36	2.30	39.78
<u>West</u>													
Normal	: 1.56	1.48	2.98	3.89	3.97	4.20	4.08	3.87	3.88	2.99	1.95	1.89	36.74
1989	: 0.84	1.09	0.80	3.46	2.73	3.14	2.54	4.06	3.91	1.55	0.70	0.75	25.57
1990	: 0.93	2.56	3.68	1.97	6.84	6.54	4.71	2.84	1.80	2.68	3.86	3.53	41.94
<u>Central</u>													
Normal	: 1.66	1.52	2.96	4.01	3.80	4.05	4.03	3.52	3.41	2.62	2.12	2.18	35.88
1989	: 0.99	1.26	1.27	4.22	3.19	1.67	3.23	3.65	5.96	1.41	1.44	0.89	29.18
1990	: 1.69	3.41	2.51	2.21	5.84	8.73	6.97	5.10	1.44	2.97	3.92	3.36	48.15
<u>East</u>													
Normal	: 1.70	1.61	2.89	3.94	3.74	4.14	4.35	3.42	3.16	2.47	2.28	2.27	35.97
1989	: 1.15	1.19	1.63	4.00	4.62	2.18	3.72	3.49	5.94	1.31	1.65	0.70	31.58
1990	: 1.40	4.56	3.13	2.05	6.89	4.73	5.23	3.50	1.11	5.08	4.06	4.97	46.71
<u>West Southwest</u>													
Normal	: 1.66	1.88	3.27	3.87	4.05	3.98	3.77	3.42	3.21	2.64	2.39	2.23	36.37
1989	: 1.52	1.34	2.61	3.52	4.31	1.57	2.96	2.64	4.64	1.45	0.97	0.86	28.39
1990	: 1.82	3.74	2.42	2.26	7.83	4.94	4.42	2.86	1.39	3.76	3.22	5.20	43.86
<u>East Southeast</u>													
Normal	: 2.16	2.19	3.64	3.86	3.99	4.20	4.21	3.20	3.00	2.49	3.00	2.96	38.90
1989	: 1.94	1.61	4.69	4.94	4.68	2.56	3.65	4.20	5.94	1.55	1.74	1.03	38.53
1990	: 1.27	4.19	2.09	3.17	9.67	4.94	2.69	2.84	2.07	4.92	3.74	6.10	47.69
<u>Southwest</u>													
Normal	: 2.53	2.71	4.29	4.07	4.21	3.92	3.89	3.46	3.09	2.41	3.46	3.24	41.28
1989	: 3.13	5.46	6.18	2.50	3.21	5.44	2.25	2.71	2.68	2.35	1.60	1.39	38.90
1990	: 3.54	5.74	2.99	4.40	9.91	2.82	3.43	3.19	2.18	3.53	3.40	7.35	52.48
<u>Southeast</u>													
Normal	: 2.89	2.88	4.58	4.36	4.44	3.94	4.02	3.33	3.01	2.48	3.65	3.60	43.18
1989	: 4.01	7.13	7.53	2.58	3.52	5.59	4.34	4.44	2.48	2.34	2.00	1.48	47.44
1990	: 3.76	5.33	2.72	5.80	8.93	2.63	3.57	2.58	2.74	4.45	3.14	6.84	52.49

1/1990 Preliminary

Source: National Oceanic and Atmospheric Administration

"Printed by authority of the State of Illinois" 8/28/91, 3,500, 1444

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ILLINOIS WEATHER & CROPS



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RELEASED: June 11, 1992

VOL. 13, NO. 14

JUN 19 1992

SUMMARY OF 1991 ILLINOIS WEATHER

ILLINOIS DOCUMENTS

Prepared by the Illinois State Water Survey, Champaign

SUMMARY STATEMENT: Although temperatures were generally above average for much of the year, relatively few daily record high temperatures were set during the summer of 1991. However, central and southern Illinois began to experience days with highs greater than 90°F in earnest in early May, unusually early. This condition continued throughout the summer. No severe winter storms occurred anywhere in the state in November or December of 1991.

AVERAGE TEMPERATURE DURING THE YEAR: The 1991 mean annual temperatures for Illinois were 2°F above average, the long-term average being 47°F in the Northwest and 57°F in the South. The averages used in this narrative are based on 1961-1990 but were not yet available for this publication so 1951-1980 are shown in the tables that follow.

Mean monthly statewide temperatures over Illinois were 2°F to 6°F greater than average during the first five months of the year, except for January, which was 1°F to 2°F below average. The statewide summer (June-August) mean temperature was the 16th warmest since 1895 with an average of 75.3°F, the warmest summer being that of 1936 with 78.7°.

Temperatures continued warmer than average into the fall, being 1°F or 2°F above in September and 2°F to 4°F above in October. Those for November fell to 3°F to 5°F below average but December was 4°F to 6°F above the average.

AVERAGE PRECIPITATION DURING THE YEAR: Total precipitation for the year was about ten percent less than the long-term average in northern Illinois and about 20 percent short in the South, varying from 33 inches in northern counties to 41 inches in the South.

There were substantial variations during the year however. The northern 2/3 of Illinois were very dry during January and February 1991, whereas southern Illinois received about 30 percent above average. March through May total precipitation was greater than average, being from two to six inches each month. Only northwestern Illinois received less than average spring precipitation.

June inaugurated less than average precipitation which continued through September. Only in October did precipitation return to above average levels. Indeed, statewide precipitation for June, July and August was only 58 percent of the 30-year average. The impact of this year's drought was enhanced because the three month deficit centered on the growing season.

Statewide June precipitation was the fifth driest since 1895, that of July was eighth driest, and August was the 29th driest of the same year. The three month statewide mean was the second driest since 1895 (6.09" compared to 5.63" in 1936, the driest episode).

October rainfall was over 200 percent of average except for far northwestern and southern Illinois counties where it was about 150 percent of average. That for November was over 200 percent of average in the northern reaches of the state, and 120 to 150 percent in the remainder of Illinois. The precipitation did much to replenish surface and ground water supplies, particularly since it fell during that time of the year with cooling temperatures and reduced evaporation.

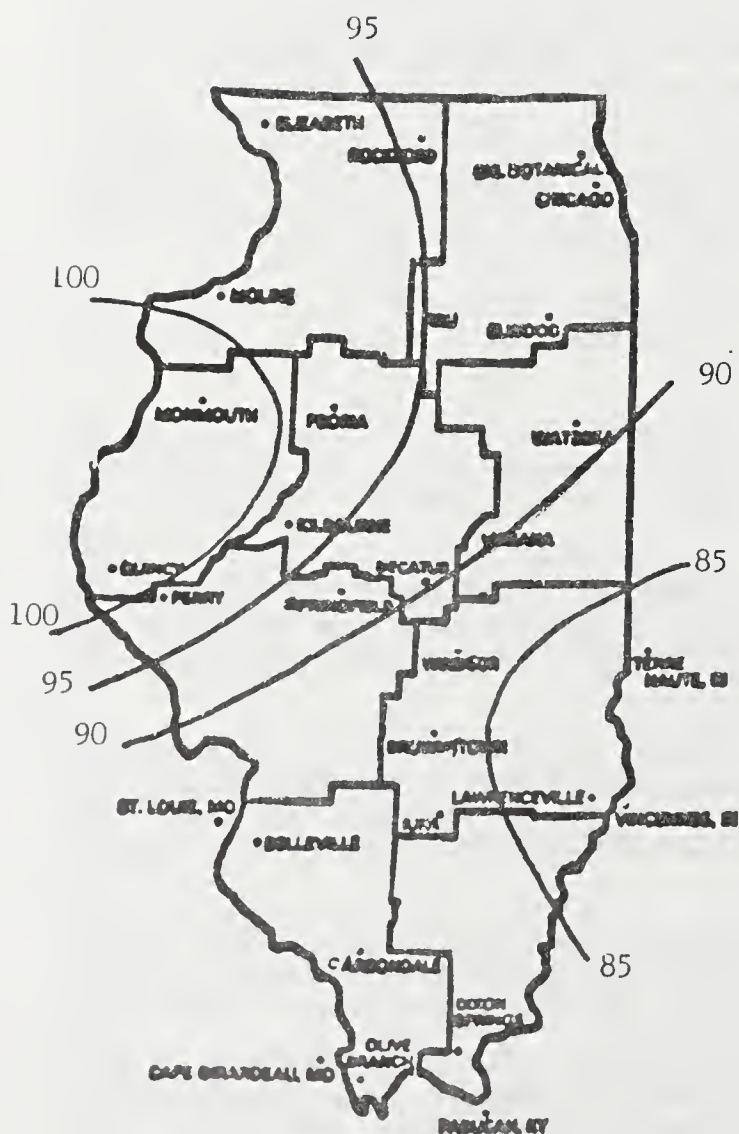
December precipitation was reduced to 86 percent of average. However, by year's end, the soil moisture deficit from the surface to six feet was only 2.9 inches in west central Illinois and less than one inch in the northern and southern thirds and eastern counties of the state.

MEMORABLE WEATHER EVENTS OF THE YEAR: Flooding began in December 1990 and continued into January 1991, particularly in southern Illinois, but also along the Kankakee and Iroquois Rivers. Lakes and reservoirs also began the year at full or overflowing stages but fell through normal levels in February due to diminished precipitation. Freezing precipitation was frequent during January in the northern 2/3 of the state. Damage was minimal but coverage was rather consistent.

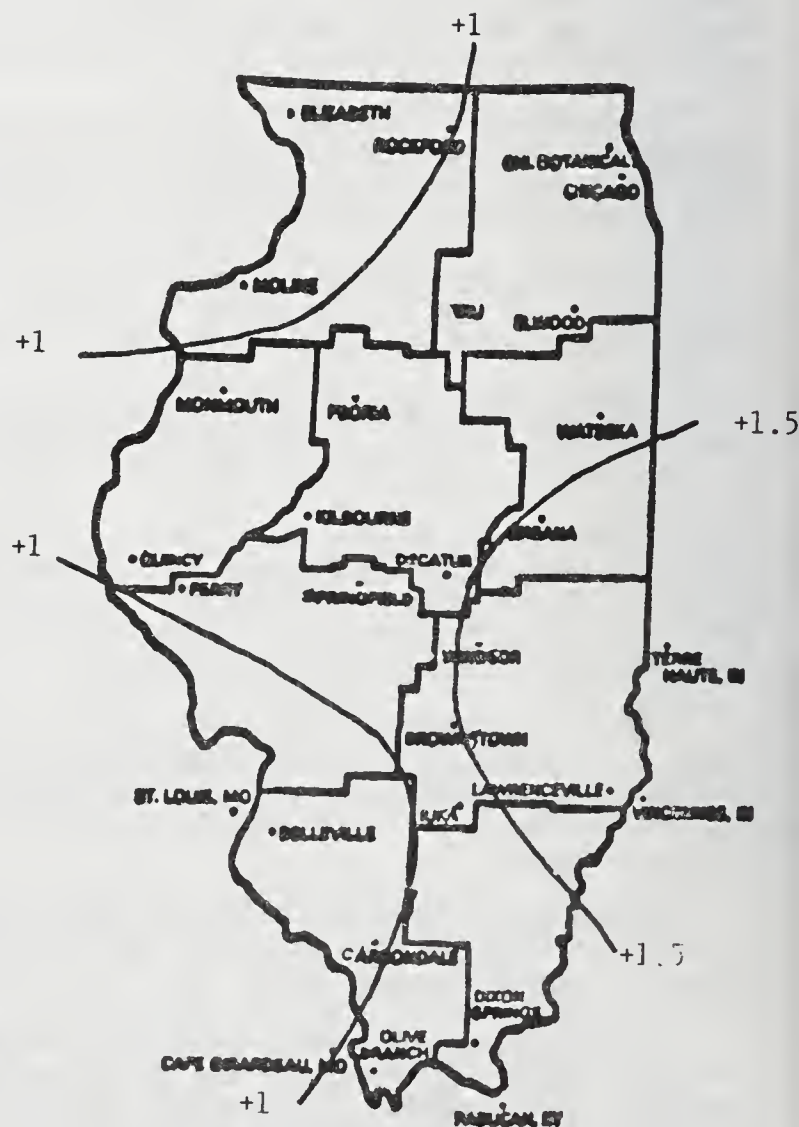
SEVERE WEATHER IN 1991: The first severe winter storm of 1991 (fourth of 1990-1991 winter) occurred on January 5 and 6 in central Illinois, essentially consisting of freezing precipitation and sleet. To the north of the freezing precipitation three to five inches of snow fell.

The second severe winter storm of 1991 occurred on January 10 and 11 in central and northern Illinois beginning in western Illinois as freezing rain and spreading over the northern part of the state. Some snow followed. Some flooding occurred in March. Surface reservoirs continued high, as did ground water. Rivers and lakes increased levels into April and May so that some flooding occurred in central Illinois.

The Illinois River at Meredosia was 3.5 feet above flood at the beginning of May, remaining there for the remainder of the month. In June, river flow and lake heights



PRECIPITATION DEPARTURES
FROM AVERAGE (%) 1991



TEMPERATURE DEPARTURES
FROM AVERAGE (°F) 1991

reversed their upward trends reflecting substantially lower than average precipitation. This situation continued through autumn. During July, shallow ground water supplies in Illinois decreased through the long-term mean remaining below average for the next several months.

Lake Michigan was within 0.2 feet of the long term average height in January and February and remarkably tracked the long term average heights throughout the remainder of 1991. Twelve-month running mean statewide precipitation again entered negative territory at the end of June and continued in deficit until the end of October. This parameter had been negative from May 1988 through May 1990 reflecting integrated precipitation. Three tornadoes were reported in central and east central Illinois on December 8. Although damage was reported, no lives were lost.

The above-average temperatures during the winter and spring of 1991 yielded less than average frost depth. At the end of January, ground frost was restricted to the northern 2/3 of the state (average) but only reached a maximum of 20 inches in the northwest. By May 15, substantial frost was restricted to the northwestern most ten counties. Interestingly, only a few inches of frost had developed in northwestern counties by the end of December. No frost existed south of the northern quarter of the state at year's end.

Heating degree days for the 1990-91 winter were five to ten percent less than the long term average. Cooling degree days for the 1991 summer were about 40 percent greater than the average. Growing degree days were ten to 15 percent greater than average. These last two features emphasize the warmer-than-average character of the late spring and summer.

Temperatures, Illinois averages by districts, months, normal (1951-1980 average) and 1990-91 1/

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
- Degrees -													
Northwest													
Normal	19.4	24.7	35.3	49.8	60.9	70.1	74.0	71.9	64.3	53.1	38.7	26.0	49.0
1990	31.4	29.3	40.7	49.0	56.6	70.1	72.4	71.6	65.7	50.1	42.9	24.5	50.4
1991	16.7	28.9	39.1	52.2	66.1	72.9	73.9	72.7	63.1	51.5	33.0	28.4	49.9
Northeast													
Normal	21.2	26.0	35.9	49.2	59.9	69.6	73.6	72.1	65.0	53.8	39.7	27.5	49.5
1990	32.7	30.4	40.8	49.2	55.7	69.5	71.7	71.2	65.8	51.2	44.4	28.4	50.9
1991	20.3	30.4	40.1	52.1	65.8	72.8	75.3	73.5	63.4	52.5	34.9	29.5	50.9
West													
Normal	23.2	28.7	38.7	52.8	63.1	72.2	76.2	74.0	66.6	55.5	41.3	29.5	51.8
1990	34.8	34.2	43.8	50.3	57.8	71.9	74.4	73.4	67.8	52.8	46.3	28.0	53.0
1991	20.2	32.6	43.3	55.4	67.7	75.2	75.9	74.1	65.9	54.1	35.2	32.3	52.7
Central													
Normal	23.4	28.5	38.8	52.5	62.9	72.1	75.5	73.5	66.8	55.3	41.2	29.5	51.7
1990	35.3	34.3	44.0	51.1	58.5	71.9	73.4	72.5	67.1	52.2	45.8	29.0	52.9
1991	21.6	32.4	42.2	55.8	68.4	75.0	76.0	74.5	66.0	54.0	35.8	32.3	52.8
East													
Normal	23.8	28.3	38.5	51.8	62.2	71.5	74.7	72.7	66.4	54.8	41.0	29.6	51.3
1990	35.2	33.6	43.0	49.8	58.1	70.9	72.8	71.1	66.6	51.8	46.1	29.4	52.4
1991	22.3	31.9	41.5	54.7	68.1	74.8	76.0	73.8	65.4	54.8	36.0	32.1	52.6
West Southwest													
Normal	26.5	31.4	41.2	54.5	64.2	73.3	76.8	74.7	68.0	56.6	43.1	32.2	53.5
1990	38.4	37.4	46.0	51.7	60.5	73.4	76.0	73.8	69.8	54.4	48.8	31.7	55.2
1991	24.6	36.0	45.5	57.6	69.9	76.0	76.2	75.3	67.8	57.1	38.6	35.1	55.0
East Southeast													
Normal	27.4	32.0	41.8	54.5	64.1	73.2	76.7	74.7	68.2	56.5	43.3	32.9	53.8
1990	38.9	38.4	46.9	52.2	61.1	73.4	75.8	73.4	69.3	54.4	49.2	33.5	55.5
1991	26.3	36.2	45.7	57.7	70.5	76.2	77.4	76.1	68.4	58.3	40.3	35.9	55.8
Southwest													
Normal	31.2	35.7	45.0	57.3	66.1	74.7	78.3	76.5	69.9	58.5	45.9	36.1	56.3
1990	41.3	41.4	48.8	53.9	62.4	74.7	77.4	74.3	71.0	55.6	50.7	35.4	57.2
1991	28.2	38.6	48.0	58.8	70.3	76.1	78.1	76.7	69.0	58.8	41.7	38.7	56.9
Southeast													
Normal	31.6	35.7	45.1	57.2	66.0	74.6	78.1	76.4	69.9	58.3	46.0	36.3	56.3
1990	41.3	42.5	49.2	53.8	62.4	74.1	77.1	74.8	70.9	55.6	51.1	37.7	57.5
1991	29.8	39.0	48.3	59.5	71.0	76.3	78.8	77.4	69.6	59.3	42.6	38.7	57.5

1/1991 Preliminary

NEWSPAPER TIME VALUE

Illinois Weather & Crops
June 11, 1992

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Precipitation, Illinois totals by districts, months, normal (1951-1980 average) and 1990-91 1/

District and year	: Jan. :	Feb. :	Mar. :	April :	May :	June :	July :	Aug. :	Sept. :	Oct. :	Nov. :	Dec. :	Annual
- Inches -													
<u>Northwest</u>													
Normal	: 1.47	1.20	2.54	3.91	3.85	4.20	4.21	3.76	3.53	2.77	2.07	1.92	35.43
1990	: 1.64	1.73	4.60	2.73	6.07	9.40	4.55	6.07	0.99	2.73	3.41	2.60	46.52
1991	: 0.96	0.38	4.98	2.61	4.13	2.65	0.56	2.53	3.24	4.78	4.72	1.55	33.09
<u>Northeast</u>													
Normal	: 1.69	1.37	2.65	3.89	3.47	4.25	4.12	3.59	3.55	2.55	2.13	2.11	35.37
1990	: 2.23	2.50	3.26	2.07	6.79	5.46	4.59	5.73	1.51	4.07	5.50	2.31	46.02
1991	: 1.37	0.54	3.79	4.43	5.48	1.21	1.04	2.58	3.17	7.64	3.56	1.55	36.36
<u>West</u>													
Normal	: 1.56	1.48	2.98	3.89	3.97	4.20	4.08	3.87	3.88	2.99	1.95	1.89	36.74
1990	: 1.22	3.30	4.32	2.36	7.78	8.80	5.83	3.09	1.95	2.37	4.04	3.20	48.26
1991	: 0.95	0.69	3.16	3.20	8.17	0.90	2.57	2.72	3.31	6.13	2.93	2.00	36.73
<u>Central</u>													
Normal	: 1.66	1.52	2.96	4.01	3.80	4.05	4.03	3.52	3.41	2.62	2.12	2.18	35.88
1990	: 1.94	4.04	3.78	1.78	6.93	8.40	5.53	3.68	1.44	4.20	4.66	4.94	51.28
1991	: 1.25	0.70	3.38	3.06	5.39	1.29	1.59	3.66	2.61	7.03	3.00	1.94	34.90
<u>East</u>													
Normal	: 1.70	1.61	2.89	3.94	3.74	4.14	4.35	3.42	3.16	2.47	2.28	2.27	35.97
1990	: 1.55	5.11	3.89	2.21	6.15	6.13	5.06	3.47	1.26	5.91	4.62	5.92	51.28
1991	: 1.58	0.40	4.14	3.41	5.97	0.77	1.16	2.98	1.82	6.95	3.07	1.73	33.98
<u>West Southwest</u>													
Normal	: 1.66	1.88	3.27	3.87	4.05	3.98	3.77	3.42	3.21	2.64	2.39	2.23	36.37
1990	: 1.33	4.79	2.60	2.70	9.69	6.07	3.05	2.26	1.84	4.96	3.50	6.57	49.36
1991	: 1.43	0.47	3.18	3.31	4.78	1.76	2.87	2.34	2.70	4.77	2.89	1.54	32.04
<u>East Southeast</u>													
Normal	: 2.16	2.19	3.64	3.86	3.99	4.20	4.21	3.20	3.00	2.49	3.00	2.96	38.90
1990	: 1.70	5.06	2.29	3.31	8.55	5.18	3.07	3.11	2.00	5.00	4.04	7.90	51.21
1991	: 1.78	1.23	4.24	2.65	2.90	1.93	2.27	2.89	2.40	5.29	3.46	1.81	32.85
<u>Southwest</u>													
Normal	: 2.53	2.71	4.29	4.07	4.21	3.92	3.89	3.46	3.09	2.41	3.46	3.24	41.28
1990	: 3.47	5.34	3.10	4.59	10.01	3.29	3.36	2.68	2.88	4.49	4.16	8.07	55.44
1991	: 2.84	2.03	3.34	3.70	3.37	1.32	2.99	2.53	4.22	5.65	4.29	2.59	38.87
<u>Southeast</u>													
Normal	: 2.89	2.88	4.58	4.36	4.44	3.94	4.02	3.33	3.01	2.48	3.65	3.60	43.18
1990	: 4.66	6.02	2.72	4.84	10.08	2.98	2.96	2.30	3.72	4.77	3.59	8.38	57.02
1991	: 3.17	3.04	4.54	3.36	2.98	2.04	1.85	1.59	3.87	4.11	4.18	3.30	38.03

1/1991 Preliminary

Source: National Oceanic and Atmospheric Administration

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ILLINOIS DOCUMENTS

SUMMARY OF 1992 ILLINOIS WEATHER

Prepared by the Illinois State Water Survey, Champaign

SUMMARY STATEMENT: Weather in Illinois in 1992 was often on an extreme end of the temperature and precipitation distributions. Although temperature changed from warmer to colder than average near mid-year, precipitation was generally drier than the long-term average, with the exception of only two months (July and September).

AVERAGE TEMPERATURE DURING THE YEAR: Mean 1992 temperatures over the state were within 0.3°F of the 30-year average. The averages used in this narrative are based on 1961-1990 but were not yet available for this publication so 1951-1980 are shown in the tables that follow.

Winter temperatures in Illinois were substantially above average, as the statewide December average was 34.0°F and those for January and February were about 8°F warmer than average.

Although March was somewhat warmer than average, April was colder than average, delaying soil warming, planting, and plant development in northern and central Illinois. Late spring frost occurred, discontinuously, over the northern half of Illinois on the morning of May 25, 26, and/or 27. Damage to corn and beans was spotty, but some replanting was necessary in Livingston County. Another late frost occurred in parts of northern Illinois on June 17, requiring another replanting. Total area affected by this event was small, but significant.

AVERAGE PRECIPITATION DURING THE YEAR: Precipitation for the year was rather anomalous, with relatively low totals in the southern part of the state, and high values in the east and west. Annual precipitation was near normal in the northern half of the state and 85 percent to 95 percent of the long-term average in the southern half.

Mean statewide precipitation for December 1991 through April 1992 was less than average, varying from 67 percent (January) to 92 percent (December 1991). Early in May, rainless days became the rule, and continued into June. Statewide mean precipitation in May was only 31 percent of the long-term average, and that of June was only 38 percent, with the greatest shortfalls being in the northern half of the state. Lower than average temperatures reduced evaporative stress on crops, maintaining a spring and early summer climate more akin to that of central Wisconsin.

Precipitation in June continued substantially less than average, raising fears of drought. On July 2, however, the heavens opened and rain fell almost daily in much of northern and central Illinois. By mid-month, central Illinois had already accumulated the long-term mean monthly rainfall, wiping out any concern of agricultural drought. However, groundwater levels continued to decline.

Statewide soil moisture in the upper-most six foot of soil minimized in both June and August of the year. By the year's end, it was again near equal to that at the beginning of the year, and about 12 percent greater than the (1988-1992) mean.

MEMORABLE WEATHER EVENTS OF THE YEAR: Winter weather never had a chance during the 1991-92 winter. There were no severe winter weather events (six inches or more snow over substantial area) in the state during the entire winter.

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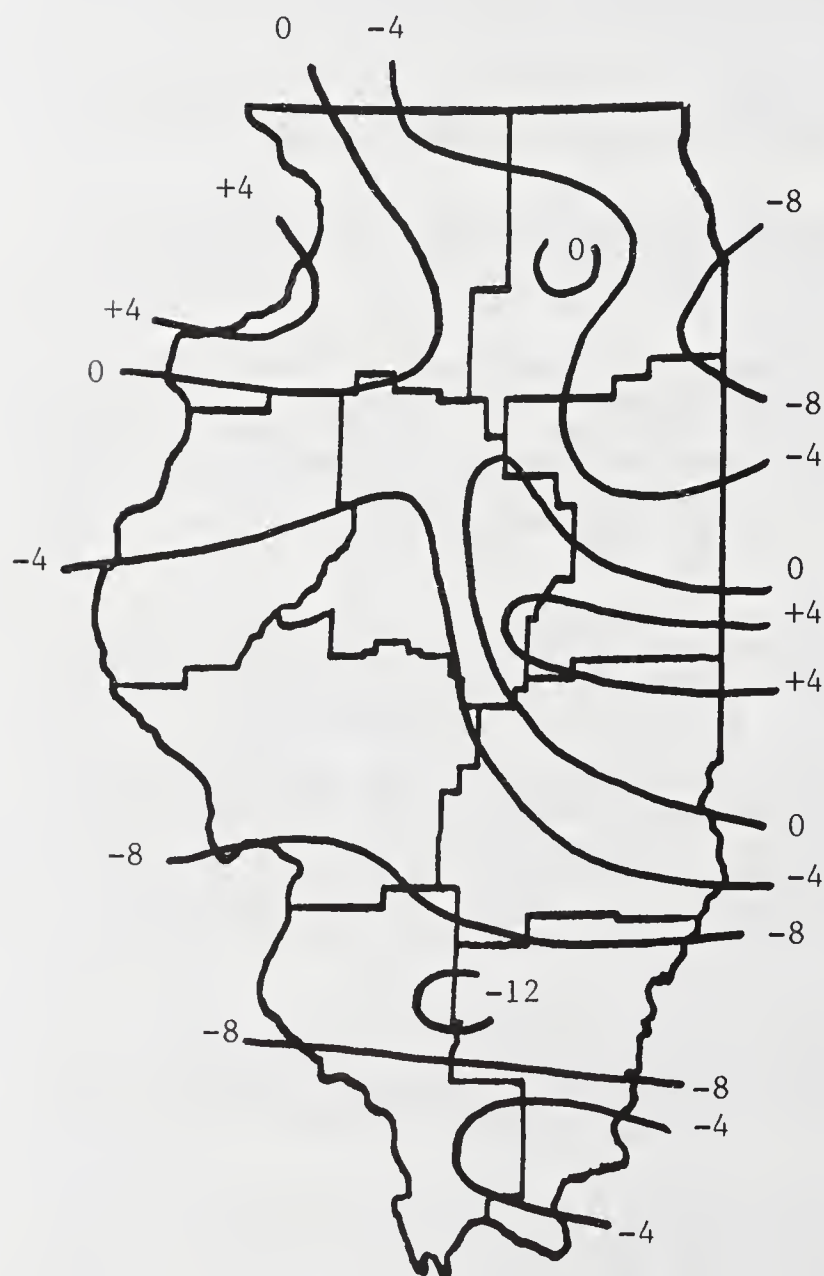


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The months bridging late 1991-early 1992 in Illinois and much of the Upper Midwest could have been labeled the season without a winter. Cold outbreaks were generally few and weak, and snowfall and snowcover were infrequent. Even Wisconsin, Iowa, northern Illinois and Indiana experienced only a few days with continuous snowcover. Central and southern Illinois had very few days with snow on the ground.

SEVERE WEATHER IN 1992: The usual severe weather of spring in Illinois (April through June) was postponed to later in the year and was of diminished frequency and intensity, associate with the somewhat cooler-than-average temperatures. Cool temperatures of spring continued in the state throughout the summer.

On the afternoon and evening of June 17, a line of severe thunderstorms moved across northern Illinois from west to east spawned by a strong cold front. A tornado and strong straight-line winds (measured to 55 mph) hit Iroquois, Champaign and Vermilion Counties downing buildings, removing roofs, and wreaking havoc. Damage totaled in the hundreds of thousands of dollars in Ashkum, Danforth, Gilman and Watseka. The cold front that ushered in the severe weather was followed by very cold air, bringing a June frost to parts of Wisconsin and isolated locations in northern Illinois on the 17th and subsequent nights, and breaking low temperature records throughout the Upper Midwest.



PRECIPITATION DEPARTURES
FROM AVERAGE (INCHES) 1992



TEMPERATURE DEPARTURES
FROM AVERAGE ($^{\circ}$ F) 1992

Except for the June frost experienced in only isolated locations in Illinois, the growing season began in mid-April and continued through mid-October (both being near the long-term average). The growing season in extreme northern Illinois was curtailed by a frost during the last week of September. However, cooler-than-average temperatures prevailed.

The cool 1992 summer was realized in unprecedented low residential cooling costs, and depleted income to electrical power companies. The 1992 statewide cooling degree day total was the sixth lowest since 1895.

By the end of August, growing degree days were about five percent below average in southern Illinois and 20 percent below in the north. Statewide 1992 growing degree days were the seventh lowest since 1895. This was realized in crop development being about one week behind normal in the south, and two plus weeks behind in the north. This below-average growth rate became more of a problem in the north when the first fall frost occurred in mid-October (within a few days of the mean), followed by an extremely wet November (second wettest since 1895 for Illinois), curtailing field work and the harvest. Although statewide yields were among the highest ever, harvests in the north were depleted, left standing in the field well into winter due to the wet fall.

Temperatures, Illinois averages by districts, months, normal (1951-1980 average) and 1991-92 1/

District and year	: Jan. :	Feb. :	Mar. :	April :	May :	June :	July :	Aug. :	Sept. :	Oct. :	Nov. :	Dec. :	Annual
	- Degrees -												
<u>Northwest</u>													
Normal	: 19.4	24.7	35.3	49.8	60.9	70.1	74.0	71.9	64.3	53.1	38.7	26.0	49.0
1991	: 17.0	29.0	39.4	52.4	66.1	73.2	74.1	72.9	63.4	51.7	33.2	28.6	50.1
1992	: 26.6	32.3	38.9	46.7	59.9	67.1	68.9	65.9	61.1	50.6	36.4	26.5	48.4
<u>Northeast</u>													
Normal	: 21.2	26.0	35.9	49.2	59.9	69.6	73.6	72.1	65.0	53.8	39.7	27.5	49.5
1991	: 20.3	30.0	40.0	52.3	66.1	73.1	75.5	73.8	63.8	53.0	35.1	29.8	51.1
1992	: 27.5	32.7	37.9	45.7	58.3	65.9	69.6	66.8	62.3	50.9	38.3	28.5	48.7
<u>West</u>													
Normal	: 23.2	28.7	38.7	52.8	63.1	72.2	76.2	74.0	66.6	55.5	41.3	29.5	51.8
1991	: 20.7	33.1	43.7	55.8	68.0	75.6	76.3	74.4	66.3	54.6	35.3	32.7	53.0
1992	: 31.1	36.0	42.9	50.5	61.8	69.6	72.9	68.4	64.0	53.8	38.9	29.4	51.6
<u>Central</u>													
Normal	: 23.4	28.5	38.8	52.5	62.9	72.1	75.5	73.5	66.8	55.3	41.2	29.5	51.7
1991	: 21.8	32.2	42.5	56.0	68.5	75.6	76.2	74.6	66.2	55.2	36.4	32.6	53.2
1992	: 30.5	35.9	42.4	50.3	61.4	69.2	72.6	68.2	64.0	53.3	39.3	29.8	51.4
<u>East</u>													
Normal	: 23.8	28.3	38.5	51.8	62.2	71.5	74.7	72.7	66.4	54.8	41.0	29.6	51.3
1991	: 22.2	31.6	41.4	54.9	68.4	75.3	76.2	74.2	65.9	55.3	36.2	32.4	52.8
1992	: 29.1	35.2	41.0	48.8	60.2	67.9	71.5	67.4	63.5	52.8	40.2	29.5	50.6
<u>West Southwest</u>													
Normal	: 26.5	31.4	41.2	54.5	64.2	73.3	76.8	74.7	68.0	56.6	43.1	32.2	53.5
1991	: 25.1	36.3	46.0	58.0	70.0	76.4	76.6	75.6	68.2	57.4	38.8	35.5	55.3
1992	: 33.0	38.8	44.6	53.5	63.1	70.4	75.9	70.1	66.2	55.7	41.9	32.7	53.8
<u>East Southeast</u>													
Normal	: 27.4	32.0	41.8	54.5	64.1	73.2	76.7	74.7	68.2	56.5	43.3	32.9	53.8
1991	: 26.5	36.4	46.0	58.1	70.7	76.4	77.5	76.2	68.5	58.5	40.2	36.0	55.9
1992	: 33.1	39.6	44.4	53.6	62.4	70.2	76.0	70.3	66.4	55.4	43.6	33.4	54.0
<u>Southwest</u>													
Normal	: 31.2	35.7	45.0	57.3	66.1	74.7	78.3	76.5	69.9	58.5	45.9	36.1	56.3
1991	: 28.7	39.1	48.5	59.5	70.8	76.5	78.4	77.1	69.6	59.4	42.1	38.9	57.4
1992	: 35.7	42.6	47.3	56.9	63.6	71.5	78.0	72.0	67.6	56.9	45.5	35.6	56.1
<u>Southeast</u>													
Normal	: 31.6	35.7	45.1	57.2	66.0	74.6	78.1	76.4	69.9	58.3	46.0	36.3	56.3
1991	: 30.1	39.2	48.4	59.7	71.3	76.5	79.1	77.6	69.9	59.5	42.8	39.0	57.8
1992	: 35.2	42.4	46.2	56.4	62.7	70.5	77.8	71.9	67.4	56.3	45.6	35.2	55.6

Source: National Oceanic and Atmospheric Administration
1/1992 Preliminary

NEWSPAPER TIME VALUE

Illinois Weather & Crops
June 11, 1993

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Precipitation, Illinois totals by districts, months, normal (1951-1980 average) and 1991-92 1/

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
- Inches -													
<u>Northwest</u>													
Normal	: 1.47	1.20	2.54	3.91	3.85	4.20	4.21	3.76	3.53	2.77	2.07	1.92	35.43
1991	: 1.05	0.44	5.33	2.77	4.35	2.58	0.58	2.50	3.44	5.26	4.60	1.57	34.47
1992	: 1.15	1.49	1.35	3.08	0.66	1.56	8.98	2.01	6.13	0.80	5.71	3.23	36.15
<u>Northeast</u>													
Normal	: 1.69	1.37	2.65	3.89	3.47	4.25	4.12	3.59	3.55	2.55	2.13	2.11	35.37
1991	: 1.37	0.54	3.79	4.43	5.48	1.21	1.04	2.55	3.17	7.64	3.59	1.66	36.47
1992	: 1.20	1.34	2.42	2.27	0.53	1.48	5.67	2.90	5.37	0.93	5.44	3.05	32.60
<u>West</u>													
Normal	: 1.56	1.48	2.98	3.89	3.97	4.20	4.08	3.87	3.88	2.99	1.95	1.89	36.74
1991	: 1.08	0.82	3.45	3.56	8.46	1.15	2.95	2.74	3.35	6.27	3.43	2.03	39.29
1992	: 0.79	1.57	1.66	3.39	0.63	1.55	8.60	0.89	4.83	1.17	7.20	3.50	35.78
<u>Central</u>													
Normal	: 1.66	1.52	2.96	4.01	3.80	4.05	4.03	3.52	3.41	2.62	2.12	2.18	35.88
1991	: 1.35	0.50	3.71	3.04	5.65	1.29	1.18	3.95	2.97	7.57	3.36	2.10	36.67
1992	: 1.00	1.38	2.32	2.22	0.56	1.92	11.55	1.10	4.45	1.27	6.49	3.04	37.30
<u>East</u>													
Normal	: 1.70	1.61	2.89	3.94	3.74	4.14	4.35	3.42	3.16	2.47	2.28	2.27	35.97
1991	: 1.58	0.40	4.14	3.41	5.97	0.80	1.16	2.98	1.82	7.01	3.00	1.80	34.07
1992	: 1.03	1.58	2.14	2.47	1.25	2.58	9.55	1.97	4.07	1.46	6.46	2.57	37.13
<u>West Southwest</u>													
Normal	: 1.66	1.88	3.27	3.87	4.05	3.98	3.77	3.42	3.21	2.64	2.39	2.23	36.37
1991	: 1.44	0.52	3.44	3.72	5.32	2.27	3.14	2.51	2.81	4.95	3.15	1.73	35.00
1992	: 0.96	1.33	3.03	3.29	1.20	1.45	5.51	1.51	2.72	1.11	7.85	3.02	32.98
<u>East Southeast</u>													
Normal	: 2.16	2.19	3.64	3.86	3.99	4.20	4.21	3.20	3.00	2.49	3.00	2.96	38.90
1991	: 1.80	1.21	3.96	2.69	3.00	1.86	2.48	2.67	2.44	5.21	3.70	2.05	33.07
1992	: 1.44	1.26	2.93	3.90	1.78	1.16	6.38	2.39	3.96	1.85	7.59	2.22	36.86
<u>Southwest</u>													
Normal	: 2.53	2.71	4.29	4.07	4.21	3.92	3.89	3.46	3.09	2.41	3.46	3.24	41.28
1991	: 2.84	2.03	3.34	3.70	3.37	1.32	2.99	2.53	4.22	5.65	5.44	2.90	40.33
1992	: 1.68	1.77	3.25	3.31	1.73	2.25	3.86	2.24	4.65	2.13	6.21	2.17	35.25
<u>Southeast</u>													
Normal	: 2.89	2.88	4.58	4.36	4.44	3.94	4.02	3.33	3.01	2.48	3.65	3.60	43.18
1991	: 3.18	3.39	4.62	3.57	3.15	2.37	2.17	1.74	4.35	4.09	4.00	3.98	40.61
1992	: 1.80	1.86	3.63	2.42	3.44	2.19	4.80	2.58	5.24	1.38	4.86	1.72	35.92

Source: National Oceanic and Atmospheric Administration
1/1992 Preliminary

ILLINOIS WEATHER & CROPS



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U.S. DEPARTMENT OF AGRICULTURE
ILLINOIS DEPARTMENT OF AGRICULTURE

RELEASED: June 21, 1994

VOL. 15, NO. 16

SUMMARY OF 1993 ILLINOIS WEATHER

Prepared by the Illinois State Water Survey, Champaign

SUMMARY: Mean annual temperatures in Illinois during 1993 were essentially equal to the long-term average in eastern counties, and as much as two degrees below average in west-central Illinois. Clearly precipitation was highly anomalous, being the wettest year in Illinois history. The annual totals were five to ten inches greater than average in the northern and southern quarters of the state, and 15 to 20 inches greater than average in central Illinois, with some locales as much as plus 25 inches (see accompanying figure).

The heavy and persistent precipitation brought floods of unprecedented magnitude along virtually all rivers of the state, and many non-riverine lowlands from June through at least August. Water resources of the state (soil moisture, surface and ground water) were replenished, remaining well above average for months into 1994.

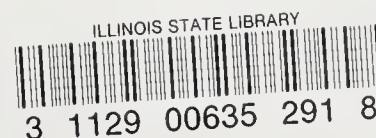
TEMPERATURE: The somewhat lower than average temperatures sponsored fewer growing and cooling degree days, whereas heating degree days were greater than the 1961-90 average. Heating degree days (July 1992-June 1993) were about five percent fewer than average, 1993 cooling degree days were three to five percent fewer than average, and growing degree days were ten to 15 percent fewer than average.

PRECIPITATION: Precipitation deviations from the long-term average in Iowa, Illinois and Missouri represented 50 to 70 percent over average. Interestingly, to our east, Ohio and Kentucky realized 25 percent less than average. Precipitation in Illinois was the greatest since 1895.

SIGNIFICANT WEATHER EVENTS

FLOODS: The by-line for the year in the Upper Midwest was flood. Heavier than average precipitation developed in April and continued unabated through October. The heavy amounts were realized by a higher frequency of events as well as greater amounts with most events. By early July, flooding was affecting virtually the entire upper Mississippi River south to Cairo, Illinois, the Missouri, and all lesser tributaries, including the Minnesota, Des Moines, Cedar, Skunk, Iowa, Big Muddy, and Illinois Rivers. This became the worst flood of the century. The floods along the Mississippi in Iowa, Illinois and Missouri were, in part, the result of heavy precipitation which fell in Minnesota and Wisconsin, therefore the discussion which follows is regional in extent.

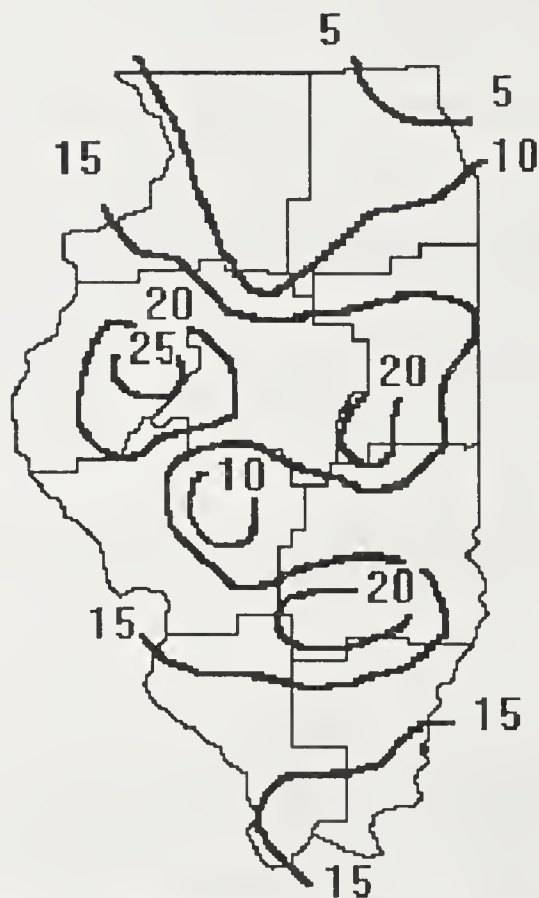
June through August rainfall, alone, was greater than 20 inches (40 to 60 percent of mean annual precipitation in southern Minnesota, southwestern Wisconsin, northern Missouri and Illinois and all of Iowa). The same areas already accumulated their mean annual precipitation by the end of August. A Soil Conservation Service site in Worth County, Missouri recorded 30.30 inches of rain in July, alone, representing 85 percent of the mean annual precipitation. Some sites in Illinois setting record annual precipitation included Champaign with 56.55 inches, Congerville with 57.20 inches, Dixon Springs with 59.46 inches, Effingham with 57.07 inches, Flora with 60.53 inches, Havana with 59.23 inches, Jacksonville with 56.33 inches, Plumfield with 55.19 inches, Waltonville with 55.21 inches, and Watseka with 58.91 inches.



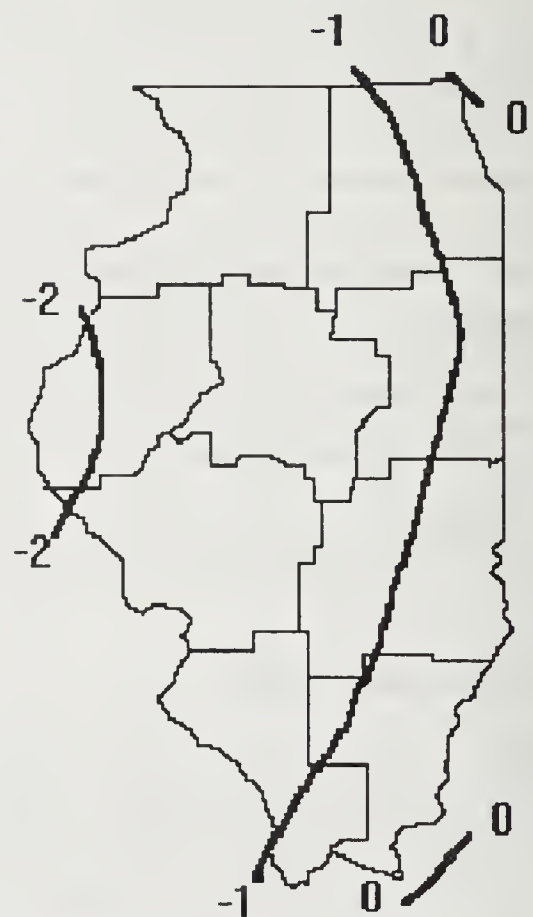
SEVERE WINTER STORMS: Illinois experiences five severe winter storms (six inches or more snow within 24 hrs) on average. There were only three such storms during 1993, one in January and two in February. There were no such storms during November or December of 1993 in Illinois.

TORNADOES AND SEVERE THUNDERSTORMS: Severe thunderstorms and tornadoes began in late spring rather than early spring due to cooler than average temperatures this year. Based on preliminary data, 34 tornadoes were reported in the state in 1993; two in May, 17 in June, five in July, nine in August and one in September (long-term average is 28). No tornado-related deaths or injuries were reported in the state.

PROMINENT WEATHER-RELATED IMPACTS: Traffic across the Mississippi collapsed beginning in May and continued for about three months. The fast flowing, high Mississippi undermined some bridge foundations, halting auto and rail traffic. The routine of persons who lived on one side of the river but worked on the other side was seriously disrupted. For about one month all east-west rail service was diverted to either south of St. Louis or north of Minneapolis.



Precipitation Departure
from Average (inches) 1993



Temperature Departure
from Average (F) 1993

River traffic was also severely impacted. On June 24 Lock and Dam 17 closed at New Boston. The Mississippi was closed to barge traffic (primarily coal and commodities). Two thousand loaded barges with tugs were stopped for about two months, with daily lost costs in excess of one million. Rails increased their revenues during the summer with increased commodity traffic.

Several hundred miles of public and private levees along the Mississippi in Illinois collapsed under the pressure, or were purposefully blown to save urban areas from flooding.

As of December 1993, water continued to stand over most of Mason County, Illinois. Roads had been elevated about a foot with gravel and oil surface. A shallow aquifer which normally drains into the Illinois River still could not do so due to high ground water.

Temperatures, Illinois averages by districts, months, normal (1961-90 average) and 1992-93 1/

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.2	24.0	36.4	49.4	60.6	69.9	73.8	71.4	63.8	52.3	38.9	24.8	48.7
1992	26.6	32.3	38.9	46.7	59.9	67.1	68.9	65.9	61.1	50.6	36.4	26.5	48.4
1993	23.0	23.3	33.1	45.7	61.3	67.4	73.1	72.9	58.3	49.7	37.4	28.4	47.8
Northeast													
Average	20.7	25.2	36.7	48.7	59.6	69.3	73.5	71.6	64.4	52.9	40.1	26.5	49.1
1992	27.5	32.7	37.9	45.7	58.3	65.9	69.6	66.8	62.3	50.9	38.3	28.4	48.7
1993	25.3	24.6	33.7	45.7	60.8	67.1	74.2	73.2	59.0	49.4	38.6	29.2	48.4
West													
Average	23.2	28.0	40.0	52.6	62.8	72.0	76.1	73.4	66.3	54.9	41.8	28.2	51.6
1992	31.3	36.0	42.9	50.5	61.8	69.6	72.9	68.4	64.0	53.8	38.9	29.4	51.6
1993	25.3	25.3	35.8	49.0	63.3	70.5	75.5	75.0	59.7	51.3	38.1	30.8	50.0
Central													
Average	23.0	27.6	39.8	52.2	62.6	71.9	75.3	73.0	66.3	54.5	41.7	28.3	51.4
1992	30.5	35.9	42.4	50.3	61.4	69.2	72.6	68.2	64.0	53.3	39.3	29.8	51.4
1993	26.3	25.6	35.3	48.5	62.9	69.8	75.1	74.4	60.6	51.8	38.7	31.6	50.1
East													
Average	23.0	27.3	39.4	51.3	62.1	71.5	74.7	72.3	66.0	54.0	41.6	28.5	51.0
1992	29.1	35.2	41.0	48.8	60.2	67.9	71.5	67.4	63.5	52.8	40.2	29.5	50.6
1993	26.7	25.4	35.4	47.9	62.8	69.6	75.2	73.8	60.4	51.4	38.9	32.0	50.0
West Southwest													
Average	25.9	30.4	42.1	54.2	63.9	72.8	76.6	74.1	67.5	56.0	43.7	31.0	53.2
1992	33.0	38.8	44.6	53.5	63.1	70.4	75.9	70.1	66.2	55.7	41.9	32.7	53.8
1993	28.2	27.8	37.6	50.6	63.9	71.8	77.9	75.6	61.8	52.3	40.9	33.4	51.8
East Southeast													
Average	26.7	31.2	42.8	54.3	64.1	73.0	76.5	74.3	67.9	56.1	44.2	31.9	53.6
1992	33.1	39.6	44.4	53.6	62.4	70.2	76.0	70.3	66.4	55.4	43.6	33.4	54.0
1993	30.3	28.5	38.5	50.8	64.0	72.2	78.4	75.8	62.2	52.4	41.3	34.2	52.4
Southwest													
Average	30.3	34.7	45.7	56.7	65.7	74.3	78.1	76.0	69.3	58.0	46.5	34.9	55.9
1992	35.7	42.6	47.3	56.9	63.6	71.5	78.0	72.0	67.6	56.9	45.5	35.6	56.1
1993	33.0	32.1	41.3	52.7	65.3	73.3	80.8	79.6	65.7	54.4	42.8	36.4	54.8
Southeast													
Average	30.6	35.0	46.0	56.7	65.7	74.2	77.9	76.0	69.5	57.9	46.9	35.4	56.0
1992	35.2	42.4	46.2	56.4	62.7	70.5	77.8	71.9	67.4	56.3	45.6	35.2	55.6
1993	34.3	32.1	41.5	52.3	64.7	72.9	80.8	79.6	65.8	54.2	43.1	36.8	54.8
Illinois													
Average	24.8	29.3	41.1	50.0	63.1	72.2	75.7	73.6	66.8	55.2	42.8	29.9	52.4
1992	31.3	37.3	42.8	51.4	61.5	69.1	73.7	69.0	64.7	54.0	41.1	31.2	52.3
1993	28.0	27.2	36.9	49.2	63.2	70.5	76.8	75.5	61.5	51.9	40.0	32.5	51.1

Source: National Oceanic and Atmospheric Administration and Illinois State Water Survey
1/1993 Preliminary

NEWSPAPER TIME VALUE

Illinois Weather & Crops
June 21, 1994

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Precipitation, Illinois totals by districts, months, normal (1961-90 average) and 1992-93 1/

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
Northwest													
Average	1.33	1.14	2.60	3.68	3.88	4.18	3.99	4.08	3.87	2.75	2.49	2.04	36.03
1992	1.15	1.49	1.35	3.08	0.66	1.56	8.98	2.01	6.13	0.80	5.71	3.23	36.15
1993	2.38	1.02	3.82	5.34	3.61	10.24	4.94	6.25	4.79	1.06	1.74	1.01	46.20
Northeast													
Average	1.57	1.33	2.68	3.73	3.64	4.05	3.98	3.96	3.79	2.50	2.83	2.38	36.44
1992	1.20	1.34	2.36	2.27	0.51	1.48	5.67	2.90	5.37	0.93	5.44	3.05	32.52
1993	3.29	1.05	3.10	5.27	2.44	9.75	4.14	5.09	4.72	1.85	1.90	0.96	43.56
West													
Average	1.45	1.41	3.09	3.76	4.10	3.98	4.39	3.74	4.28	3.01	2.63	2.28	38.12
1992	0.71	1.57	1.66	3.39	0.63	1.55	8.60	0.89	4.83	1.17	7.20	3.50	35.70
1993	1.97	1.61	3.43	4.66	3.61	6.38	9.93	6.35	7.14	1.71	2.26	0.87	49.92
Central													
Average	1.57	1.51	3.08	3.75	3.98	3.82	3.95	3.45	3.75	2.72	2.77	2.68	37.03
1992	1.00	1.38	2.32	2.22	0.60	1.92	11.55	1.10	4.45	1.27	6.49	3.04	37.34
1993	3.83	2.07	3.32	4.95	2.45	6.77	8.69	5.96	7.84	2.89	2.81	1.31	52.89
East													
Average	1.65	1.63	2.99	3.78	4.00	3.85	4.21	3.63	3.41	2.64	2.91	2.78	37.48
1992	1.03	1.58	2.26	2.49	1.25	2.58	9.55	1.97	4.07	1.46	6.46	2.57	37.27
1993	3.82	1.78	3.09	5.11	3.43	7.90	6.52	5.45	7.72	4.22	3.40	1.36	53.80
West Southwest													
Average	1.67	1.87	3.38	3.70	4.28	3.72	3.91	3.37	3.50	2.82	3.06	2.95	38.23
1992	0.96	1.33	3.03	3.29	1.20	1.45	5.51	1.51	2.72	1.11	7.81	3.02	32.94
1993	3.91	2.02	2.80	5.42	2.72	5.57	6.87	4.85	10.12	2.39	4.24	1.15	52.06
East Southeast													
Average	2.03	2.21	3.74	3.83	4.23	3.81	4.23	3.36	3.15	2.86	3.50	3.42	40.37
1992	1.44	1.26	2.93	3.90	1.77	1.16	6.38	2.39	3.96	1.85	7.59	2.22	36.85
1993	4.24	2.21	2.92	5.01	3.58	4.28	7.01	4.30	8.26	2.96	7.02	1.33	53.12
Southwest													
Average	2.36	2.79	4.33	3.93	4.44	3.74	3.85	3.51	3.28	2.96	3.84	3.77	42.80
1992	1.68	1.77	3.25	3.31	1.82	2.25	3.86	2.24	4.65	2.13	6.21	2.17	35.34
1993	4.94	3.24	3.03	4.86	4.63	5.88	4.74	3.45	8.82	3.30	7.48	1.71	56.08
Southeast													
Average	2.69	3.05	4.75	4.39	4.89	3.86	4.05	3.37	3.08	3.01	4.01	4.05	45.20
1992	1.80	1.86	3.63	2.42	3.50	2.19	4.80	2.58	5.24	1.38	4.86	1.72	35.98
1993	4.61	2.97	2.92	5.58	4.29	4.63	4.79	3.04	7.06	3.16	7.84	1.83	52.72
Illinois													
Average	2.08	2.19	3.48	3.85	4.07	3.85	3.95	3.65	3.51	2.85	3.03	2.86	38.79
1992	1.22	1.51	2.53	2.93	1.33	1.79	7.21	1.95	4.60	1.34	6.42	2.72	35.57
1993	3.67	2.00	3.16	5.13	3.42	6.82	6.40	4.97	7.39	2.62	4.30	1.28	51.15

Source: National Oceanic and Atmospheric Administration and Illinois State Water Survey
1/1993 Preliminary

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ILLINOIS WEATHER & CROPS



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U.S. DEPARTMENT OF AGRICULTURE
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RELEASED: June 16, 1995

VOL. 16, NO. 15

ILLINOIS DOCUMENTS

JUN 23 1995

SUMMARY OF 1994 ILLINOIS WEATHER

ILLINOIS STATE LIBRARY

Prepared by the Illinois State Water Survey, Champaign

SUMMARY: Temperatures during 1994 in Illinois were near average, whereas precipitation was somewhat drier than average, but there was great variability from month to month. Annual precipitation was a bit less than the 1961-90 averages.

PRECIPITATION: Precipitation for the year was five to 15 percent less than average. Indeed, only those for April, June, August and November were above average. There was substantial concern for the crops due to less than average precipitation during the growing season in Illinois, primarily June and July. Apparently sufficient precipitation was received at the particularly sensitive times for the crops, promoting record yields.

TEMPERATURE: Temperatures across the state were near average for the year as a whole. Only those for June, October, November, and particularly December were warmer than average. Indeed, winter "weather" for the 1994-95 winter only affected northern most Illinois counties, and then only in late November and December. Even snow flurries were uncommon due to the warmer than average temperatures.

SIGNIFICANT WEATHER EVENTS

SEVERE WINTER STORMS: There were four severe winter storms (six inches or more snow, or glaze impacting at least 5,000 square miles) in the state, two in February, and one each in January and March. The storm of January 26-29 only hit northern counties. The two in February also impacted the north (primarily northeastern counties of the state) occurring on February 22-23 and February 24-25, back to back. Chicago measured more than a foot accumulation with 15 inches on the ground at the end of the month. The northeastern most eight or so counties were immobilized for several days with snowcover, glaze and extremely cold temperatures. That of March 8-10 hit the southern most counties of the state with up to 12 inches.

TEMPERATURE EXTREMES: Several days near January 17 brought temperatures into the -10°F to -25°F range with persistent winds 25 to 35 mph. Wind chills were in the -50°F to -70°F range for substantial parts of three days.

TORNADOES AND SEVERE THUNDERSTORMS: Spring temperatures in Illinois were sufficiently cool to delay the onset of spring severe weather, including thunderstorms, hail events and tornadoes, a condition also observed in 1993. The preliminary total number of tornadoes for the year is 23 (28 is average), nine in April, one in May, five in June, three in July, and five in August. On August 19, some 50,000 acres of corn were destroyed by up to two inch hail in Winnebago County.

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PROMINENT WEATHER RELATED IMPACTS FOR 1994: The heavy snow of the 1993-94 winter, and heavy rainfall in northeastern Illinois during April resulted in widespread flooding along central Illinois rivers and the Mississippi during April. Since little snow fell in the state during November and December, costs for snow removal were essentially non-existent.

Precipitation, Illinois totals by districts, months, average (1961-90) and 1993-94 1/

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
<u>Northwest</u>													
Average	1.33	1.14	2.60	3.68	3.88	4.18	3.99	4.08	3.87	2.75	2.49	2.04	36.03
1993	2.38	1.02	3.82	5.34	3.61	10.24	4.94	6.22	4.79	1.06	1.74	1.47	46.63
1994	1.27	2.22	0.76	2.02	1.27	5.72	3.24	4.40	2.52	1.23	4.25	1.45	30.95
<u>Northeast</u>													
Average	1.57	1.33	2.68	3.73	3.64	4.05	3.98	3.96	3.79	2.50	2.83	2.38	36.44
1993	3.29	1.05	3.10	5.27	2.44	9.75	4.14	4.67	4.68	1.85	1.85	1.25	43.34
1994	1.77	2.46	0.88	2.63	0.94	5.24	2.91	4.81	2.10	1.40	5.74	1.83	32.73
<u>West</u>													
Average	1.45	1.41	3.09	3.76	4.10	3.98	4.39	3.74	4.28	3.01	2.63	2.28	38.12
1993	1.97	1.61	3.43	4.66	3.61	6.38	9.93	6.35	7.14	1.66	2.26	1.05	50.05
1994	0.86	2.24	0.69	5.62	3.01	3.43	2.35	3.67	1.23	2.22	4.24	2.73	32.51
<u>Central</u>													
Average	1.57	1.51	3.08	3.75	3.98	3.82	3.95	3.45	3.75	2.72	2.77	2.68	37.03
1993	3.83	2.07	3.32	4.95	2.32	6.77	8.69	6.10	7.84	2.89	2.75	1.37	52.90
1994	1.35	1.52	0.97	4.97	2.15	2.79	2.76	4.40	1.82	2.17	5.23	2.97	32.21
<u>East</u>													
Average	1.65	1.63	2.99	3.78	4.00	3.85	4.21	3.63	3.41	2.64	2.91	2.78	37.48
1993	3.82	1.78	3.09	5.11	3.43	7.90	6.52	5.43	7.83	4.22	3.40	1.80	54.33
1994	1.69	0.95	1.22	7.12	2.06	2.49	3.75	3.86	2.51	1.80	5.18	2.41	34.30
<u>West Southwest</u>													
Average	1.67	1.87	3.38	3.70	4.28	3.72	3.91	3.37	3.50	2.82	3.06	2.95	38.23
1993	3.91	2.02	2.80	5.42	2.72	5.57	6.87	4.74	10.12	2.39	4.24	1.36	52.16
1994	1.28	1.26	1.23	9.70	2.53	3.76	2.31	3.66	2.07	2.74	5.57	2.34	37.50
<u>East Southeast</u>													
Average	2.03	2.21	3.74	3.83	4.23	3.81	4.23	3.36	3.15	2.86	3.50	3.42	40.37
1993	4.24	2.21	2.92	5.01	3.58	4.28	7.01	4.29	8.14	2.96	7.02	1.65	53.31
1994	2.44	1.32	1.11	8.85	1.71	3.88	3.80	3.53	3.16	2.21	6.01	1.99	37.27
<u>Southwest</u>													
Average	2.36	2.79	4.33	3.93	4.44	3.74	3.85	3.51	3.28	2.96	3.84	3.77	42.80
1993	4.90	3.24	3.03	4.86	4.63	5.88	4.74	3.58	8.85	3.30	7.48	2.04	56.53
1994	3.27	1.71	1.95	9.11	1.53	4.13	2.74	3.97	2.75	2.83	7.86	2.70	42.71
<u>Southeast</u>													
Average	2.69	3.05	4.75	4.39	4.89	3.86	4.05	3.37	3.08	3.01	4.01	4.05	45.20
1993	4.61	2.97	2.92	5.58	4.29	4.63	4.79	3.00	7.06	3.16	7.84	2.62	53.47
1994	3.46	1.92	2.34	7.08	1.56	4.14	2.40	3.12	2.58	1.81	7.03	2.86	40.53
<u>Illinois</u>													
Average	1.73	1.78	3.41	3.81	4.04	3.85	3.93	3.65	3.55	2.85	2.98	2.79	38.37
1993	3.67	2.00	3.16	5.13	3.42	5.80	6.40	4.97	7.39	2.77	4.02	1.36	50.72
1994	1.87	1.72	1.19	6.32	1.85	4.00	2.94	3.96	2.32	2.11	5.61	2.31	35.43

Source: National Oceanic and Atmospheric Administration and Illinois State Water Survey
1/1994 Preliminary

Colder than average temperatures in January and February resulted in greater than average heating costs. Substantially warmer than average temperatures in October, November and December resulted in lower than average heatings costs. Summer cooling demand was lower than average due to reduced temperatures.

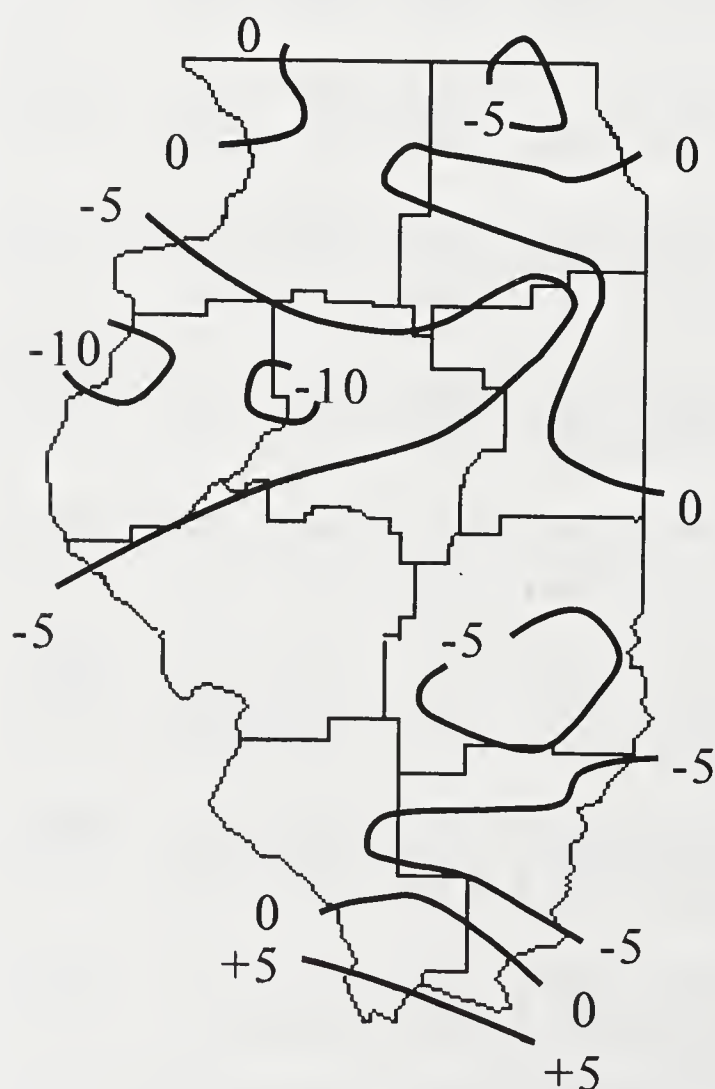
Temperatures, Illinois averages by districts, months, average (1961-90) and 1993-94 1/

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.2	24.0	36.4	49.4	60.6	69.9	73.8	71.4	63.8	52.3	38.9	24.8	48.7
1993	22.7	22.8	32.9	45.8	61.5	67.7	73.3	72.6	58.7	49.6	36.3	27.1	47.6
1994	12.0	19.5	37.7	50.2	60.5	71.8	70.7	67.8	64.1	53.9	42.8	31.3	48.7
Northeast													
Average	20.7	25.2	36.7	48.7	59.6	69.3	73.5	71.6	64.4	52.9	40.1	26.5	49.1
1993	25.1	24.3	33.6	45.8	61.1	67.4	74.4	73.3	59.4	50.4	38.1	28.4	48.4
1994	13.8	21.2	37.5	50.4	59.0	70.7	71.5	68.1	64.8	54.5	44.3	32.8	49.2
West													
Average	23.2	28.0	40.0	52.6	62.8	72.0	76.1	73.4	66.3	54.9	41.8	28.2	51.6
1993	25.2	25.0	35.8	49.1	63.5	70.7	75.7	75.4	60.6	51.6	38.1	30.2	50.1
1994	17.7	26.1	40.9	52.4	61.9	73.9	73.2	70.2	65.3	56.7	45.8	34.4	51.8
Central													
Average	23.0	27.6	39.8	52.2	62.6	71.9	75.3	73.0	66.3	54.5	41.7	28.3	51.4
1993	26.5	25.5	35.5	48.9	63.3	70.1	75.4	74.3	61.1	51.7	39.1	30.4	50.2
1994	17.5	25.7	40.1	52.0	61.0	73.8	73.3	70.2	65.4	56.6	46.1	34.8	51.3
East													
Average	23.0	27.3	39.4	51.3	62.1	71.5	74.7	72.3	66.0	54.0	41.6	28.5	51.0
1993	26.6	25.1	35.4	48.1	63.1	69.9	75.4	74.0	60.6	51.1	39.3	29.6	49.9
1994	17.2	25.0	39.0	51.3	60.2	73.6	73.0	69.2	65.1	55.8	46.5	35.5	50.9
West Southwest													
Average	25.9	30.4	42.1	54.2	63.9	72.8	76.6	74.1	67.5	56.0	43.7	31.0	53.2
1993	28.3	27.9	37.8	51.1	64.3	72.2	78.2	76.7	62.8	52.9	40.4	33.2	52.2
1994	21.5	30.2	43.0	53.8	62.1	75.0	74.9	72.6	66.2	57.8	49.2	37.2	53.8
East Southeast													
Average	26.7	31.2	42.8	54.3	64.1	73.0	76.5	74.3	67.9	56.1	44.2	31.9	53.6
1993	30.7	28.8	38.9	51.4	64.5	72.6	78.8	76.3	63.7	53.2	41.8	33.4	52.8
1994	22.3	31.4	42.8	54.6	61.6	75.4	75.4	72.4	65.8	57.8	49.8	38.3	53.9
Southwest													
Average	30.3	34.7	45.7	56.7	65.7	74.3	78.1	76.0	69.3	58.0	46.5	34.9	55.9
1993	33.3	32.4	41.6	53.2	65.7	73.6	81.1	78.1	66.1	55.3	43.2	36.7	55.0
1994	26.0	35.1	45.1	56.7	62.3	75.8	76.1	72.9	66.0	59.0	51.7	40.0	55.6
Southeast													
Average	30.6	35.0	46.0	56.7	65.7	74.2	77.9	76.0	69.5	57.9	46.9	35.4	56.0
1993	34.2	31.9	41.6	52.7	65.0	73.2	81.0	77.4	65.7	54.5	43.3	35.9	54.7
1994	25.9	35.7	44.8	57.4	62.3	76.1	76.1	72.7	65.8	58.6	51.6	40.3	55.7
Illinois													
Average	24.4	28.9	40.8	52.8	63.0	72.0	75.8	73.5	66.5	55.0	43.1	29.5	52.1
1993	28.0	27.2	36.9	49.2	63.2	70.5	76.8	75.5	61.5	51.9	40.0	32.5	51.1
1994	19.0	27.4	41.1	53.0	61.2	73.9	73.7	70.7	65.4	56.7	47.4	35.9	52.2

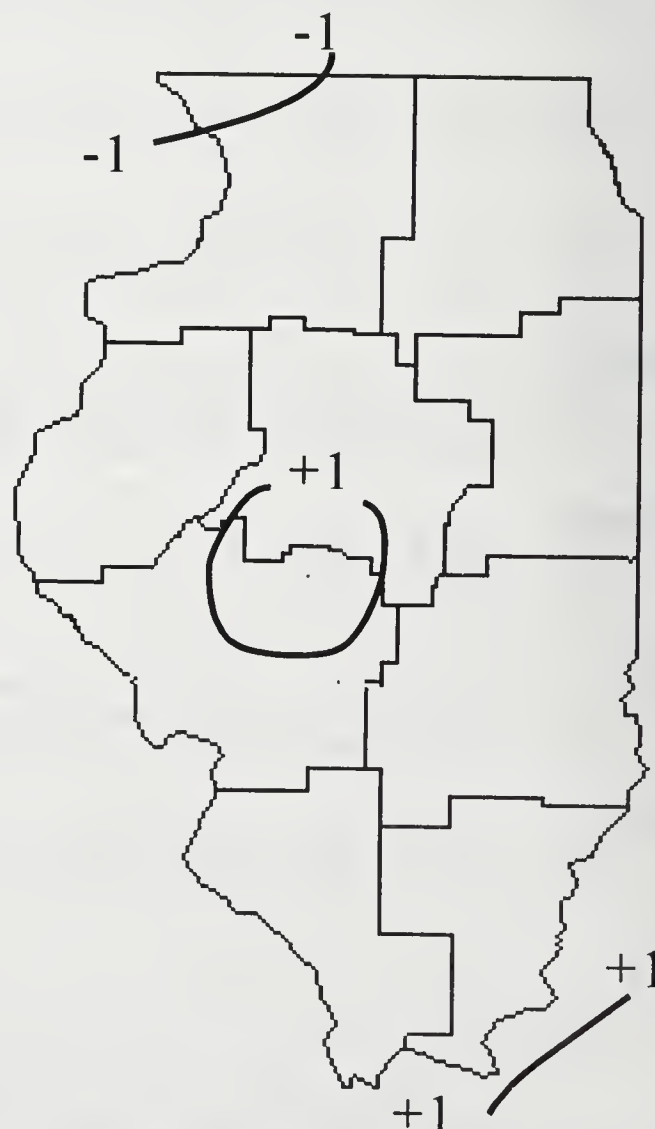
Source: National Oceanic and Atmospheric Administration and Illinois State Water Survey
 1/1994 Preliminary

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Precipitation Departure
1994



Temperature Departure
1994

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Annual climate summary for Illinois--1995

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Summary Statement: Mean annual temperatures in Illinois during 1995 varied from 50°F in the north to 60°F in the south. These were about 1°F below average in the northwest and average in the southeast. Precipitation during the year varied from about 34" in the north, to 40" in west central Illinois, increasing again to 45" in the south. These totals were 1 to 2" short of average in the northwest and the east southeast sectors, about 4" short in the far south, and 2 to 4" greater than average elsewhere.

Key characteristics of 1995 Illinois climate

- *Only light snow over the state during 1994-95 winter
- *Cool spring: Spring severe weather begins later than average
- *Frost on April 5: Destroyed blossoms on much of southern Illinois fruit crop
- *Twice average statewide precipitation in May: Substantial flooding along the Mississippi
- *Extremely hot and humid late July and August: Some 500 persons in Chicago die from heat stress
- *Cold September: First fall frost 4-6 weeks earlier than average
- *Mean annual statewide temperature and precipitation: Near average

Precipitation: Statewide mean precipitation for the year was somewhat greater than average in January, and substantially above average in May (wettest May in Illinois since 1895). Of the remaining months, only September was substantially drier than average (6th driest since 1895).

Temperature: December 1994, January and February were warmer than average. Indeed, there were only two storms with 6" or more snow during the entire 1994-95 winter in Illinois. Snowcover in Illinois during the winter was uncommonly low. Heating degree days in the state for the 1994-95 winter averaged 8-12% fewer than average.

Mean monthly temperatures in Illinois were decidedly cooler than average in April, May, September (12th coldest since 1895) and particularly November (7.1°F below average, and 6th coldest since 1895, statewide), and above average in August (5th warmest since 1895). High temperatures for several days in July, coupled with high humidities, particularly in the Chicago area, led to several hundred deaths due to heat exhaustion. Those for January and March were somewhat warmer than average, but those of August were substantially above average.

Severe Weather

Winter storms: From January 18-22 snow fell over all but southern Illinois, dropping as much as 6" or more in the northwestern half and 12-14" in northwestern counties.

The first snow storm of the 1995-96 winter for Illinois occurred November 27-28, impacting extreme northern and northwestern counties of the state, where 2 to 7" fell. Snow fell as far south as Ottawa. A second storm of the 1995-96 winter entered Illinois on the morning of December 8. This storm dropped up to 6" in a 300 mile wide band from

Missouri across Illinois and Indiana into Ohio. Eight to 10" fell in eastern Missouri, and 6-8" in central Indiana and northeastern Ohio. Yet another snowstorm hit central Illinois on December 18-19 along and about 60 miles either side of a line from St. Louis to Paris, where from 4 to 10" fell.

Tornadoes: Tornadoes were relatively few during 1995 due to the cooler than average temperatures in the spring. One was reported near Baileyville on April 18, and another in Morgan County on May 16. Several tornadoes were reported on May 18: one in Jo Daviess County, and several in Fulton and surrounding counties. Several were reported on May 27, one in Lawrence County, one or more in Knox and surrounding counties, and at least one in Morgan County and environs. Only one tornado was reported in June, in Woodford County on the 26th. Six tornadoes were reported in July, one in Greene County on the 25th, and four more on the 27th in northwestern Illinois. One was recorded in August. Some 24 tornadoes were preliminarily reported in the state during 1995 (long term average is 28).

Precipitation, Illinois totals by districts, months, average (1961-90) and 1994-95

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
Northwest													
Average	1.33	1.14	2.60	3.68	3.88	4.18	3.99	4.08	3.87	2.75	2.49	2.04	36.03
1994	1.20	2.41	0.84	1.91	1.54	6.90	2.93	4.62	2.89	1.57	5.12	1.65	30.53
1995	2.28	0.52	1.52	5.55	6.38	2.25	3.69	3.24	2.08	2.76	2.97	0.41	33.79
Northeast													
Average	1.57	1.33	2.68	3.73	3.64	4.05	3.98	3.96	3.79	2.50	2.83	2.38	36.44
1994	1.75	2.59	0.91	2.29	1.27	5.02	3.08	4.60	1.73	1.67	5.46	1.89	32.68
1995	3.08	0.59	1.73	5.33	5.01	2.15	3.51	3.66	1.65	4.18	3.99	0.63	35.95
West													
Average	1.45	1.41	3.09	3.76	4.10	3.98	4.39	3.74	4.28	2.93	2.63	2.28	38.04
1994	1.01	2.64	0.79	4.38	2.89	3.27	3.10	3.31	1.20	2.43	4.94	2.29	32.41
1995	2.88	0.86	1.11	5.43	10.76	3.00	4.00	4.89	3.45	2.47	2.40	0.52	41.58
Central													
Average	1.57	1.51	3.08	3.75	3.98	3.82	3.95	4.11	3.75	2.72	2.77	2.68	37.69
1994	1.33	1.58	1.03	4.53	2.41	2.91	2.42	3.78	2.07	2.37	4.62	2.36	31.40
1995	3.17	0.56	2.36	5.03	9.94	3.06	2.83	4.30	1.74	3.80	2.45	0.78	38.55
East													
Average	1.65	1.63	2.99	3.78	4.00	3.85	4.21	3.64	3.41	2.64	2.91	2.78	37.49
1994	1.43	0.96	1.27	6.89	2.41	2.20	3.82	3.67	2.63	1.99	5.30	2.08	33.39
1995	2.92	0.47	2.89	4.55	8.18	3.51	2.29	4.66	1.09	3.85	2.56	0.96	37.31
West Southwest													
Average	1.67	1.87	3.38	3.70	4.28	3.72	3.91	3.37	3.50	2.82	3.06	2.95	38.23
1994	1.87	1.06	1.45	9.95	2.44	4.12	2.09	2.97	2.33	2.23	5.65	1.70	36.25
1995	3.66	0.93	2.93	3.62	9.33	3.74	2.87	4.02	1.43	3.07	1.91	2.02	37.61
East Southeast													
Average	2.03	2.21	3.74	3.83	4.23	3.81	4.23	3.36	3.15	2.86	3.50	3.42	40.37
1994	2.60	1.17	1.27	8.80	2.07	4.19	2.71	2.44	2.74	1.84	5.49	1.43	35.62
1995	3.09	1.17	3.22	3.64	10.10	4.58	3.53	4.18	0.73	2.65	2.14	2.63	39.87
Southwest													
Average	2.36	2.79	4.33	3.93	4.44	3.74	3.85	3.51	3.28	2.96	3.84	3.77	42.80
1994	3.26	1.89	2.00	8.77	1.72	4.40	1.98	2.91	2.62	2.62	6.96	2.10	41.02
1995	3.94	2.13	3.27	3.55	11.12	6.10	3.05	3.07	1.17	2.25	2.74	3.65	43.74
Southeast													
Average	2.69	3.05	4.75	4.39	4.89	3.86	4.05	3.37	3.08	3.01	4.01	4.05	45.20
1994	3.70	1.86	2.82	6.79	1.89	4.36	1.92	2.97	2.77	2.65	6.27	2.40	39.33
1995	4.09	2.73	2.86	4.07	10.39	5.58	2.93	3.67	1.01	2.23	2.74	3.39	43.44
Illinois													
Average	1.81	1.88	3.40	3.84	4.16	3.84	3.73	3.68	3.57	2.80	3.12	2.92	38.75
1994	1.87	1.73	1.19	6.39	2.12	4.06	2.72	3.48	2.18	2.66	4.79	1.98	34.53
1995	3.23	1.11	2.43	4.53	8.90	3.68	3.21	3.96	1.58	3.06	2.64	1.61	38.76

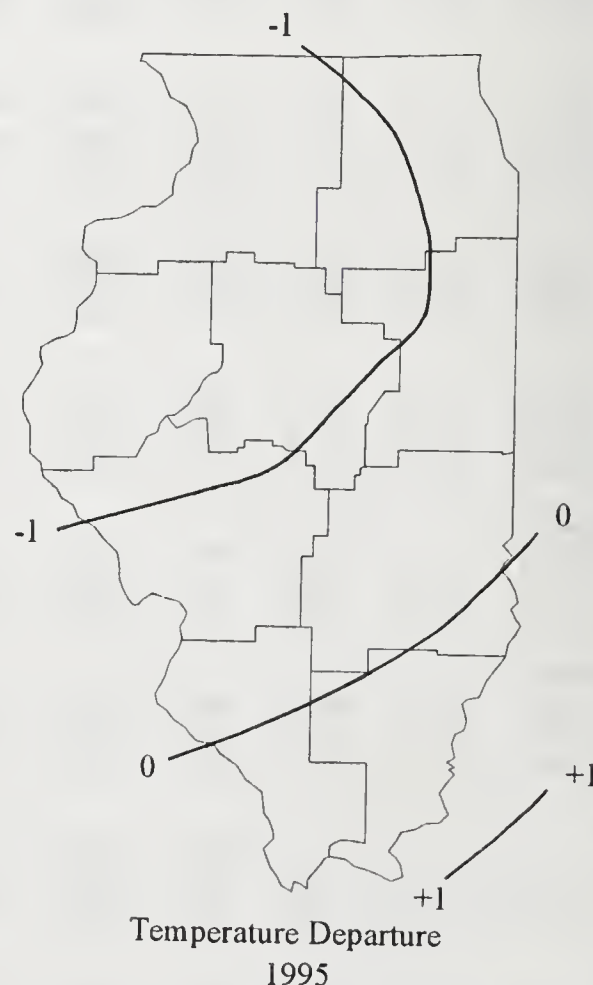
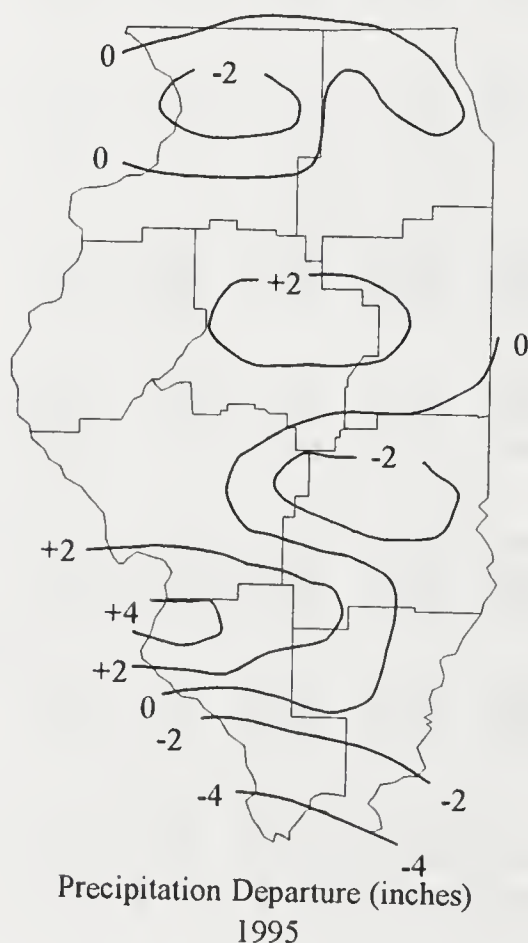
Prominent weather-related impacts for 1995: The high frequency of tornadoes and heavy precipitation in May resulted in substantial impact to the state. There were no tornado related deaths, but at least a score of tornadoes were recorded on May 9, 13, 16, 17, 18 and 27 with several injuries. Cantral and Elkhart were heavily impacted on the 9th, Raritan and Green Valley on the 13th. Several tens of houses, barns etc. were severely damaged or destroyed. Damage was estimated at several tens of million dollars. Heavy rains beginning in mid May led to flooding, particularly devastating along the Illinois (downstream of Peoria), the Mississippi (south of Quincy), Wabash, Ohio and Big Muddy Rivers. There were several flood related deaths. Hundreds of homes and businesses were flooded. The flooding persisted into June. Heat stress, the result of high temperatures, coupled with high humidities and low wind speeds for several consecutive days in July led to more than 500 deaths in Chicago, primarily elderly folks living in non air conditioned, poorly ventilated houses. Dew point temperatures were 70°F or greater for more than 48 hours, uncharacteristic of Chicago summers! An exceptionally early frost in southern Illinois in late September (about 6 weeks earlier than the mean date) damaged 20 to 40% of the apple crop. All the state experienced frost on October 24.

Temperatures, Illinois averages by districts, months, average (1961-90) and 1994-95

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.2	25.0	36.4	49.4	60.6	69.9	73.8	71.4	63.8	52.3	38.9	24.8	48.8
1994	13.0	18.9	37.2	50.2	59.5	71.4	71.3	67.9	64.1	54.1	41.7	31.3	48.7
1995	19.9	24.3	38.8	45.6	58.6	72.0	75.2	77.8	60.1	51.2	30.3	23.7	48.6
Northeast													
Average	20.7	25.2	36.7	48.7	59.6	69.3	73.5	71.6	64.4	52.7	40.1	26.5	49.1
1994	15.0	21.0	37.4	50.9	58.3	70.7	72.3	68.7	65.5	54.5	43.3	33.3	49.1
1995	22.3	25.4	38.9	45.4	57.9	71.5	75.9	77.8	61.3	52.2	31.3	24.3	49.1
West													
Average	23.2	28.0	40.0	52.6	62.8	72.0	76.1	73.4	66.3	54.9	41.8	28.2	51.6
1994	17.8	24.7	40.3	52.5	61.3	73.8	73.5	71.3	65.6	56.9	44.3	34.2	51.7
1995	22.2	28.0	42.0	48.8	59.2	71.9	76.5	78.7	62.1	54.1	35.1	28.0	51.1
Central													
Average	23.0	27.6	39.8	52.2	62.6	71.9	75.3	73.0	66.3	54.5	41.7	28.3	51.4
1994	18.9	25.2	40.2	52.4	60.8	73.8	73.7	70.5	65.2	56.3	45.2	34.7	51.2
1995	23.8	28.4	41.9	48.4	59.2	72.4	76.3	78.8	62.7	54.0	34.6	27.4	51.0
East													
Average	23.0	27.3	39.2	51.3	62.1	71.5	74.7	72.3	66.0	54.0	41.6	28.5	51.0
1994	17.8	24.0	38.8	51.7	59.6	73.4	73.1	69.3	64.9	55.4	45.0	35.5	50.8
1995	24.4	28.2	41.7	48.1	59.3	72.6	76.5	78.4	62.8	54.1	34.4	26.8	51.0
West Southwest													
Average	25.9	30.4	42.1	54.2	63.9	72.8	76.6	74.1	67.5	56.0	43.7	31.0	53.2
1994	22.5	29.8	43.1	54.3	61.4	75.3	75.0	72.6	64.0	57.8	48.0	37.1	53.6
1995	26.4	31.0	44.5	51.7	61.0	72.6	77.4	79.6	64.4	56.8	38.1	29.8	53.1
East Southeast													
Average	26.7	31.2	42.8	54.3	64.1	73.0	76.5	74.3	67.9	56.1	44.2	31.9	53.6
1994	23.1	30.8	42.7	54.6	61.2	75.4	75.3	72.3	65.8	57.8	49.0	38.6	53.9
1995	29.5	31.8	45.5	53.2	62.3	73.1	77.5	79.7	64.8	56.7	38.0	30.2	53.9
Southwest													
Average	30.3	34.7	45.7	56.7	65.7	74.3	78.1	76.0	69.3	58.0	46.5	34.9	55.9
1994	26.9	35.8	45.9	57.5	63.0	76.2	76.2	73.3	66.3	58.8	50.9	39.9	55.4
1995	31.9	35.5	48.0	55.6	63.5	72.9	77.7	80.5	65.6	58.8	41.1	34.2	55.6
Southeast													
Average	30.6	35.0	46.0	56.7	65.7	74.2	77.9	76.0	69.5	57.9	46.9	35.4	56.0
1994	26.7	35.5	44.7	57.4	61.7	76.0	76.7	73.4	66.0	58.6	50.8	40.1	55.7
1995	32.9	34.9	48.5	56.6	64.3	73.3	78.1	80.6	65.9	58.5	40.6	34.2	56.1
Illinois													
Average	24.7	29.3	41.0	49.6	63.0	72.1	75.8	73.6	66.8	55.2	42.8	29.9	52.1
1994	19.2	27.2	41.4	52.8	61.2	74.0	74.0	70.5	65.7	56.0	46.1	35.5	52.1
1995	25.9	29.7	43.3	50.1	60.4	72.5	76.7	79.1	63.2	55.0	35.7	28.5	52.0

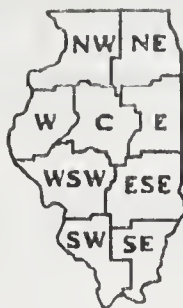
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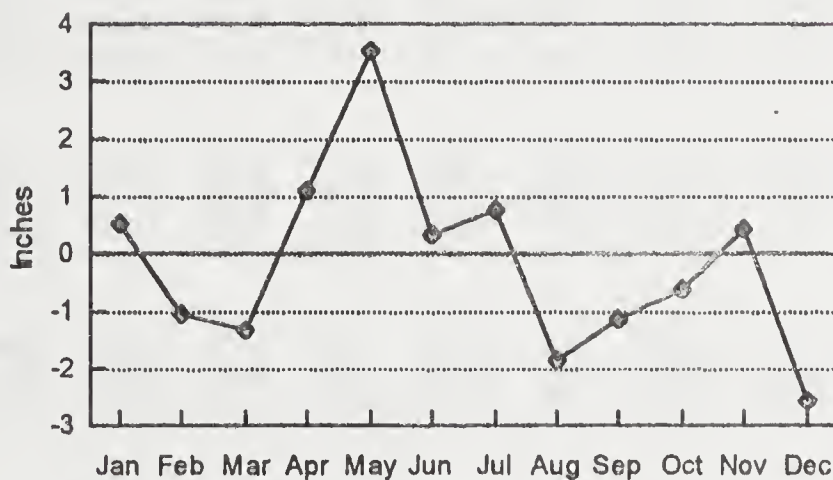
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ANNUAL WEATHER SUMMARY FOR ILLINOIS--1996

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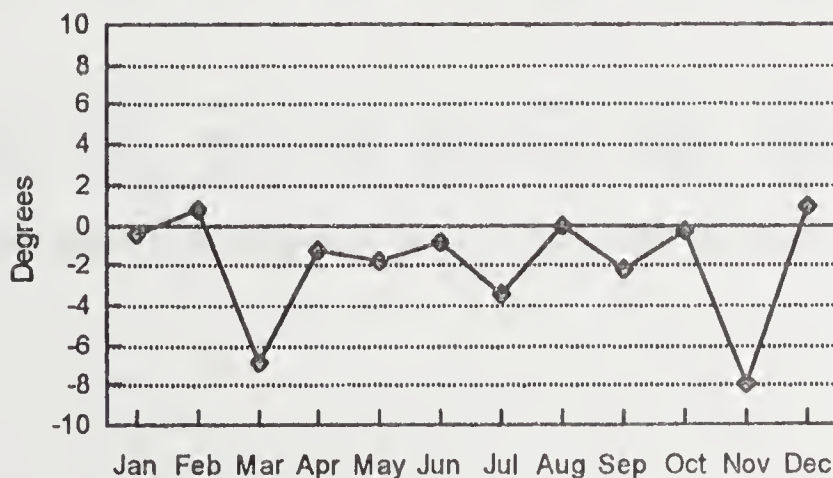
Precipitation Departures from Normal

Illinois - 1996



Temperature Departures from Normal

Illinois - 1996



Precipitation, Illinois totals by districts, months, average (1961-90) and 1995-96

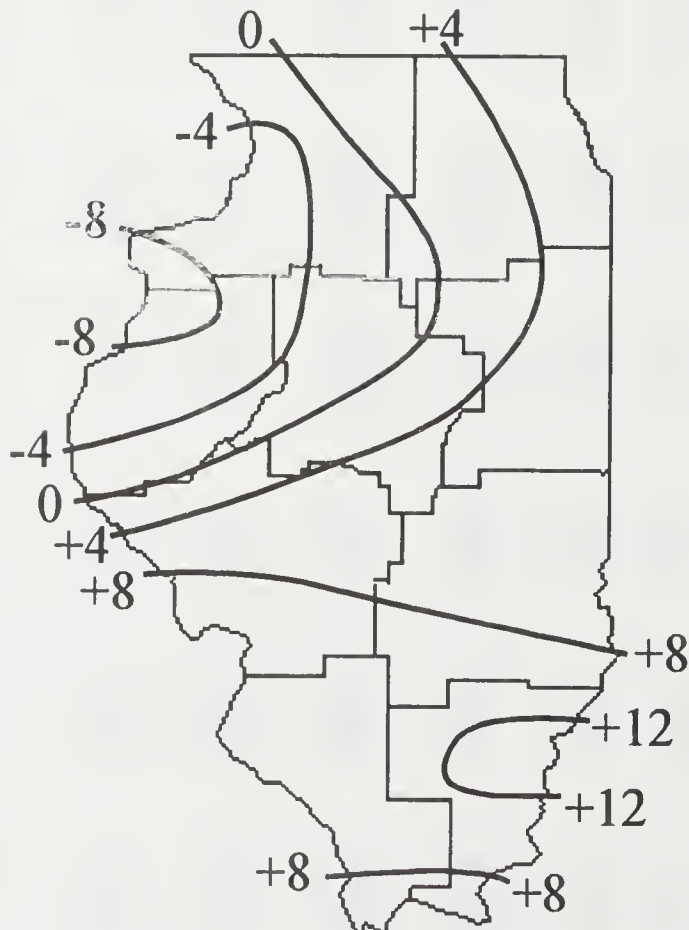
District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
Northwest													
Average	1.33	1.14	2.60	3.68	3.88	4.18	3.99	4.08	3.87	2.75	2.49	2.04	36.03
1995	2.28	0.52	1.52	5.33	7.62	2.44	4.11	3.77	1.92	3.79	3.52	0.40	37.22
1996	1.65	0.73	0.77	2.57	9.09	4.51	4.48	2.84	1.61	3.32	1.13	1.20	33.90
Northeast													
Average	1.57	1.33	2.68	3.73	3.64	4.05	3.98	3.96	3.79	2.50	2.83	2.38	36.44
1995	3.08	0.59	1.73	5.43	4.98	1.81	3.60	4.18	1.47	4.37	3.73	0.58	35.55
1996	1.40	0.78	0.93	2.89	7.20	4.99	8.41	2.30	2.45	2.57	1.89	1.87	37.68
West													
Average	1.45	1.41	3.09	3.76	4.10	3.98	4.39	3.74	4.28	3.01	2.63	2.28	38.12
1995	2.88	0.86	1.11	5.28	10.07	3.55	3.71	5.12	2.36	2.77	2.42	0.39	40.52
1996	2.36	0.83	1.63	2.48	10.11	3.02	4.04	2.46	1.61	1.82	1.88	0.56	32.80
Central													
Average	1.57	1.51	3.08	3.75	3.98	3.82	3.95	3.45	3.75	2.72	2.77	2.68	37.03
1995	3.17	0.56	2.36	4.90	10.42	2.89	2.57	3.69	1.47	3.80	2.24	0.68	38.75
1996	1.58	0.82	1.76	2.89	7.50	2.83	4.69	1.62	2.17	2.22	3.26	1.31	32.65
East													
Average	1.65	1.63	2.99	3.78	4.00	3.85	4.21	3.64	3.41	2.64	2.91	2.78	37.48
1995	2.92	0.47	2.89	4.52	7.91	3.47	2.03	5.35	0.84	4.20	2.32	0.69	37.61
1996	1.67	0.84	1.75	3.07	7.46	5.09	5.33	1.55	2.50	2.34	3.65	2.29	37.54
West Southwest													
Average	1.67	1.87	3.38	3.70	4.28	3.72	3.91	3.37	3.50	2.82	3.06	2.95	38.23
1995	3.66	0.93	2.93	3.50	7.99	3.46	2.94	4.57	1.00	2.73	1.24	1.85	36.80
1996	2.02	1.08	2.52	5.90	7.73	3.08	3.19	1.14	2.07	1.67	4.75	1.31	36.41
East Southeast													
Average	2.03	2.21	3.74	3.83	4.23	3.81	4.23	3.36	3.15	2.86	3.50	3.42	40.31
1995	3.09	1.17	3.22	3.57	9.45	4.62	3.01	3.60	0.73	2.36	2.13	2.79	39.74
1996	4.03	0.75	2.70	7.33	7.94	4.18	2.23	1.29	3.42	1.71	4.85	2.61	43.04
Southwest													
Average	2.36	2.79	4.33	3.93	4.44	3.74	3.85	3.51	3.28	2.96	3.84	3.77	42.80
1995	3.94	2.13	3.27	3.44	11.48	6.17	3.21	2.23	1.04	2.11	2.36	3.02	44.40
1996	3.56	0.72	3.32	9.26	5.73	4.52	3.36	1.09	3.13	1.91	5.79	2.94	45.33
Southeast													
Average	2.69	3.05	4.75	4.39	4.89	3.86	4.05	3.37	3.08	3.01	4.01	4.05	45.20
1995	4.09	2.73	2.86	4.37	9.73	5.36	2.43	4.17	0.98	1.74	2.88	2.69	44.03
1996	3.56	0.87	4.02	9.59	5.65	5.70	4.74	1.94	3.13	1.91	5.39	3.86	50.36
Illinois													
Average	1.81	1.88	3.40	3.84	4.16	3.84	3.73	3.68	3.57	2.80	3.12	2.92	38.75
1995	3.20	1.04	2.41	4.49	8.71	3.64	3.11	3.68	1.32	3.15	2.53	1.41	39.09
1996	2.36	0.83	2.07	4.94	7.68	4.16	4.49	1.81	2.41	2.19	3.53	0.33	36.80

Temperatures, Illinois averages by districts, months, average (1961-90) and 1995-96

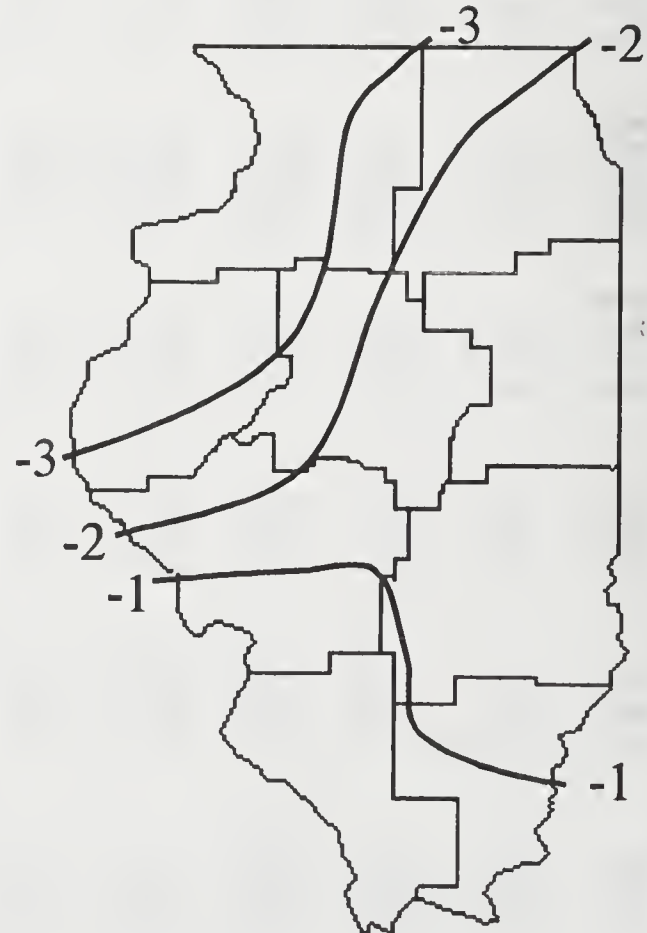
District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.2	24.0	36.4	49.4	60.6	69.9	73.8	71.4	63.8	52.3	38.9	24.8	48.7
1995	19.9	24.3	38.8	45.2	57.6	71.7	74.6	77.4	60.5	51.7	30.8	24.2	48.1
1996	19.4	24.0	30.2	45.5	55.8	68.8	70.6	71.6	62.8	52.0	30.6	21.6	46.1
Northeast													
Average	20.7	25.2	36.7	48.7	59.6	69.3	73.5	71.6	64.4	52.9	40.1	26.5	49.1
1995	22.3	25.4	38.9	45.1	57.6	71.6	75.9	78.1	61.7	53.3	31.7	25.0	48.9
1996	22.0	25.5	30.5	44.7	54.9	68.0	70.0	72.0	63.8	52.3	31.9	23.9	46.6
West													
Average	23.2	28.0	40.0	52.6	62.8	72.0	76.1	73.4	66.3	54.9	41.8	28.2	51.6
1995	22.2	28.0	42.2	48.3	58.8	71.6	76.1	78.5	62.0	54.7	34.8	28.1	50.4
1996	22.5	28.4	33.1	48.1	60.2	71.2	72.9	73.7	64.7	55.1	33.3	25.4	49.0
Central													
Average	23.0	27.6	39.8	52.2	62.6	71.9	75.3	73.0	66.3	54.5	41.7	28.3	51.4
1995	23.8	28.4	41.9	48.8	59.0	72.6	76.4	79.3	63.0	54.9	34.6	27.2	50.8
1996	22.8	29.3	33.4	47.8	59.9	71.0	71.8	73.1	64.0	54.7	33.4	27.5	49.1
East													
Average	23.0	27.3	39.4	51.3	62.1	71.5	74.7	72.3	66.0	54.0	41.6	28.5	51.0
1995	24.4	28.2	41.7	48.1	58.9	72.7	76.5	78.7	63.2	54.8	34.3	26.5	50.7
1996	23.2	29.0	33.0	47.0	59.2	70.6	71.6	72.6	64.0	54.3	34.1	27.4	48.8
West Southwest													
Average	25.9	30.4	42.1	54.2	63.9	72.8	76.6	74.1	67.5	56.0	43.7	31.0	53.2
1995	26.4	31.0	44.5	51.7	60.8	72.6	77.2	79.6	63.9	56.7	37.6	28.9	52.6
1996	25.1	31.8	35.4	49.3	63.4	71.8	72.6	74.1	64.6	56.0	36.1	31.7	51.0
East Southeast													
Average	26.7	31.2	42.8	54.3	64.1	73.0	76.5	74.3	67.9	56.1	44.2	31.9	53.6
1995	29.5	31.8	45.5	53.3	62.3	73.3	77.6	79.8	65.2	57.7	38.0	29.7	53.6
1996	25.6	32.6	36.1	49.9	64.7	72.9	73.0	74.2	65.2	56.2	37.0	33.2	51.7
Southwest													
Average	30.3	34.7	45.7	56.7	65.7	74.3	78.1	76.0	69.3	58.0	46.5	34.9	55.9
1995	31.9	35.5	48.0	55.9	64.0	73.3	77.8	80.7	66.2	59.5	41.5	33.9	55.7
1996	30.5	36.6	39.2	52.3	67.7	73.8	75.0	75.8	66.3	57.6	39.6	34.2	54.0
Southeast													
Average	30.6	35.0	46.0	56.7	65.7	74.2	77.9	76.0	69.5	57.9	46.9	35.4	56.0
1995	32.9	34.9	48.5	56.6	64.3	73.5	78.1	80.7	66.7	58.9	40.6	33.9	55.8
1996	30.9	36.3	38.7	52.0	67.7	73.7	74.7	75.8	66.5	57.6	40.3	34.9	54.1
Illinois													
Average	24.7	29.3	41.0	49.6	63.0	72.1	75.8	73.6	66.8	55.2	42.8	29.9	52.1
1995	25.6	29.6	43.0	49.7	59.9	72.2	76.4	78.7	63.0	55.1	35.6	28.2	51.4
1996	24.3	30.1	34.2	48.3	61.2	71.2	72.3	73.5	64.5	54.9	34.9	30.8	50.0

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Precipitation Departure (inches)
1996



Temperature Departure
1996

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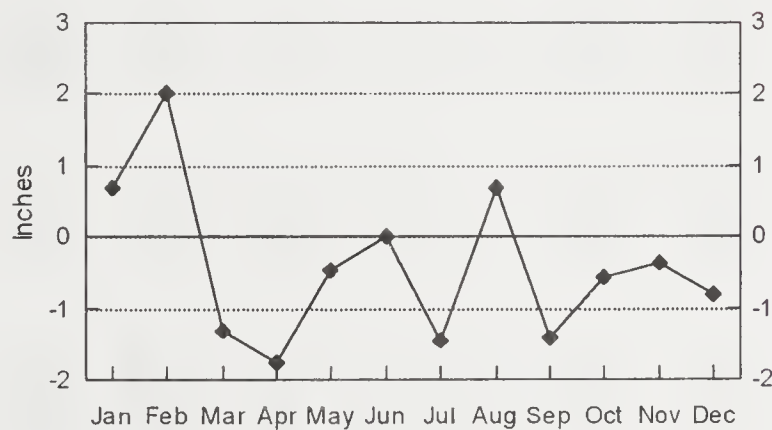
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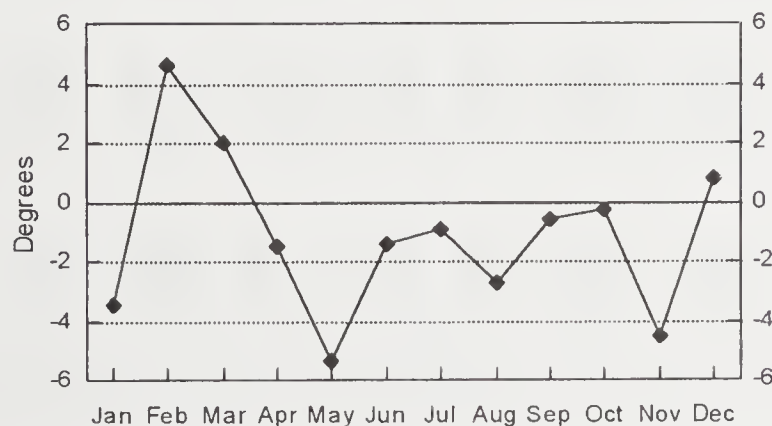
Precipitation Departures from Normal

Illinois - 1997



Temperature Departures from Normal

Illinois - 1997



Precipitation, Illinois totals by districts, months, average (1961-90) and 1996-97

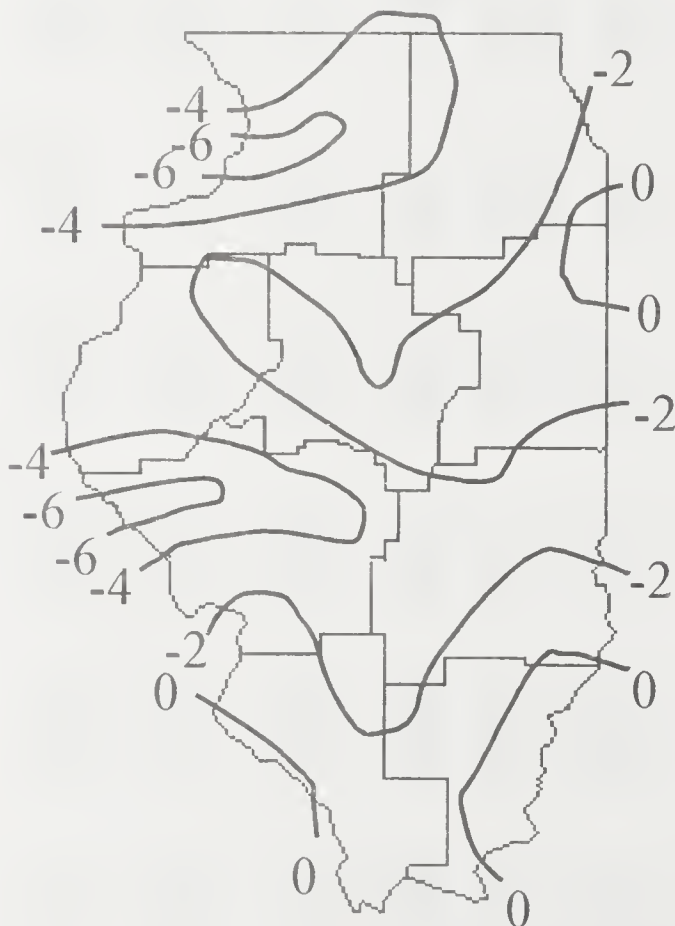
District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
Northwest													
Average	1.33	1.14	2.60	3.68	3.88	4.18	3.99	4.08	3.87	2.75	2.49	2.04	36.03
1996	1.65	0.73	0.77	2.57	9.09	4.51	4.65	3.36	1.95	3.39	1.14	1.36	35.17
1997	1.52	3.70	0.78	2.22	4.14	3.13	1.60	4.80	2.52	2.27	1.98	1.59	30.25
Northeast													
Average	1.57	1.33	2.68	3.73	3.64	4.05	3.98	3.96	3.79	2.50	2.83	2.38	36.44
1996	1.40	0.78	0.93	2.89	7.20	4.99	8.17	2.00	2.37	2.50	1.56	1.65	36.44
1997	1.89	4.87	0.99	2.27	3.23	3.40	2.39	4.38	2.05	2.44	1.95	1.76	31.62
West													
Average	1.45	1.41	3.09	3.76	4.10	3.98	4.39	3.74	4.28	3.01	2.63	2.28	38.12
1996	2.36	0.83	1.63	2.46	10.11	3.02	3.89	2.55	2.29	1.60	1.53	0.56	32.83
1997	1.60	4.68	1.94	2.56	4.35	2.84	1.64	5.35	2.05	2.65	2.88	2.22	34.76
Central													
Average	1.57	1.51	3.08	3.75	3.98	3.82	3.95	3.45	3.75	2.72	2.77	2.68	37.03
1996	1.58	0.82	1.76	2.89	7.50	2.83	4.71	1.41	2.05	2.23	2.75	1.26	31.79
1997	2.02	4.49	1.77	1.66	2.72	3.35	2.16	5.44	2.71	2.11	3.36	1.77	33.56
East													
Average	1.65	1.63	2.99	3.78	4.00	3.85	4.21	3.64	3.41	2.64	2.91	2.78	37.48
1996	1.67	0.84	1.75	3.07	7.46	5.09	5.86	1.66	2.47	2.18	2.94	1.43	36.42
1997	2.20	3.82	1.94	1.29	3.15	4.51	3.03	5.16	2.21	1.97	2.69	1.57	33.54
West Southwest													
Average	1.67	1.87	3.38	3.70	4.28	3.72	3.91	3.37	3.50	2.82	3.06	2.95	38.23
1996	2.02	1.08	2.52	5.90	7.73	3.08	3.20	2.17	2.27	2.19	3.93	0.87	36.96
1997	2.23	3.54	2.44	1.86	3.53	2.65	1.67	3.69	2.33	2.00	3.83	2.35	32.12
East Southeast													
Average	2.03	2.21	3.74	3.83	4.23	3.81	4.23	3.36	3.15	2.86	3.50	3.42	40.37
1996	4.03	0.75	2.70	7.33	7.94	4.18	2.23	1.58	3.96	2.24	4.66	2.17	43.77
1997	3.81	3.56	2.83	1.77	2.45	5.33	2.62	3.52	1.77	1.94	2.65	2.19	34.44
Southwest													
Average	2.36	2.79	4.33	3.93	4.44	3.74	3.85	3.51	3.28	2.96	3.84	3.77	42.80
1996	3.56	0.72	3.32	9.26	5.73	4.52	3.36	1.32	4.87	2.77	5.09	2.99	47.51
1997	3.90	3.27	2.91	2.31	5.12	5.03	3.30	3.77	2.04	2.63	2.68	2.81	39.77
Southeast													
Average	2.69	3.05	4.75	4.39	4.89	3.86	4.05	3.37	3.08	3.01	4.01	4.05	45.20
1996	3.56	0.87	4.02	9.59	5.65	5.70	4.74	1.58	4.96	3.00	5.53	4.06	53.26
1997	4.08	2.71	4.06	3.16	5.11	5.22	2.61	3.19	1.42	2.23	2.71	3.18	39.68
Illinois													
Average	1.81	1.88	3.40	3.84	4.16	3.84	3.73	3.68	3.57	2.80	3.12	2.92	38.75
1996	2.36	0.83	2.07	4.94	7.68	4.16	4.53	2.01	2.91	2.46	3.14	1.72	38.81
1997	2.51	3.88	2.10	2.09	3.69	3.85	2.29	4.38	2.15	2.24	2.75	2.12	34.05

Temperatures, Illinois averages by districts, months, average (1961-90) and 1996-97

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.2	24.0	36.4	49.4	60.6	69.9	73.8	71.4	63.8	52.3	38.9	24.8	48.7
1996	19.2	23.6	30.1	45.6	56.1	69.1	70.1	71.1	62.0	52.0	30.9	24.0	46.2
1997	16.2	28.0	39.0	45.7	55.1	69.5	72.1	68.4	63.8	52.2	34.7	26.5	47.6
Northeast													
Average	20.7	25.2	36.7	48.7	59.6	69.3	73.5	71.6	64.4	52.9	40.1	26.5	49.1
1996	21.7	25.0	30.2	44.8	55.1	68.3	70.0	71.8	63.0	52.2	31.9	26.5	46.7
1997	18.0	28.8	38.4	45.3	53.8	68.5	72.4	68.6	64.0	52.6	35.4	29.8	48.0
West													
Average	23.2	28.0	40.0	52.6	62.8	72.0	76.1	73.4	66.3	54.9	41.8	28.2	51.6
1996	22.3	28.0	32.9	48.1	60.4	71.4	72.7	73.2	63.6	54.8	33.6	27.6	49.1
1997	19.0	33.1	42.4	48.6	57.8	70.9	74.8	71.1	66.4	54.8	37.8	28.7	50.4
Central													
Average	23.0	27.6	39.8	52.2	62.6	71.9	75.3	73.0	66.3	54.5	41.7	28.3	51.4
1996	23.0	29.4	33.6	48.3	60.3	71.3	72.3	72.9	64.0	54.4	33.8	29.2	49.4
1997	18.9	33.2	42.2	47.6	57.6	70.4	74.4	70.3	65.8	54.4	37.7	30.0	50.2
East													
Average	23.0	27.3	39.4	51.3	62.1	71.5	74.7	72.3	66.0	54.0	41.6	28.5	51.0
1996	22.9	28.7	32.9	47.2	59.5	70.9	72.0	72.6	63.7	54.3	33.8	29.1	49.0
1997	19.2	33.2	41.5	46.8	56.9	70.0	73.7	69.2	64.9	53.7	37.6	29.8	49.7
West Southwest													
Average	25.9	30.4	42.1	54.2	63.9	72.8	76.6	74.1	67.5	56.0	43.7	31.0	53.2
1996	24.9	31.5	35.3	49.5	63.7	72.1	73.5	74.4	64.6	55.9	35.7	31.8	51.1
1997	22.2	35.6	44.7	48.7	59.0	71.3	76.3	72.1	67.2	56.4	39.6	32.1	52.1
East Southeast													
Average	26.7	31.2	42.8	54.3	64.1	73.0	76.5	74.3	67.9	56.1	44.2	31.9	53.6
1996	25.9	32.8	36.5	50.5	65.2	73.3	74.6	75.5	65.7	56.7	37.2	33.9	52.3
1997	23.8	36.9	44.9	49.3	58.9	71.1	76.0	72.1	67.5	55.9	39.9	33.3	52.5
Southwest													
Average	30.3	34.7	45.7	56.7	65.7	74.3	78.1	76.0	69.3	58.0	46.5	34.9	55.9
1996	30.6	36.6	39.4	52.7	68.0	74.1	75.6	76.6	66.5	57.7	39.8	37.1	54.6
1997	28.3	39.5	48.0	51.1	60.9	72.6	78.2	74.2	68.5	57.6	42.1	33.5	54.5
Southeast													
Average	30.6	35.0	46.0	56.7	65.7	74.2	77.9	76.0	69.5	57.9	46.9	35.4	56.0
1996	30.9	36.2	38.8	52.3	68.0	73.9	75.1	76.4	66.6	57.4	40.1	37.5	54.4
1997	28.6	39.8	48.0	51.2	60.7	72.4	77.6	73.8	68.3	57.3	42.0	34.2	54.5
Illinois													
Average	24.7	29.3	41.0	49.6	63.0	72.1	75.8	73.6	66.8	55.2	42.8	29.9	52.1
1996	24.3	30.1	34.2	48.3	61.2	71.2	72.5	73.3	63.8	54.4	34.9	30.3	49.9
1997	21.2	33.9	43.0	48.1	57.7	70.7	74.9	70.9	66.2	54.9	38.3	30.7	50.9

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Precipitation Departure
1997



Temperature Departure
1997

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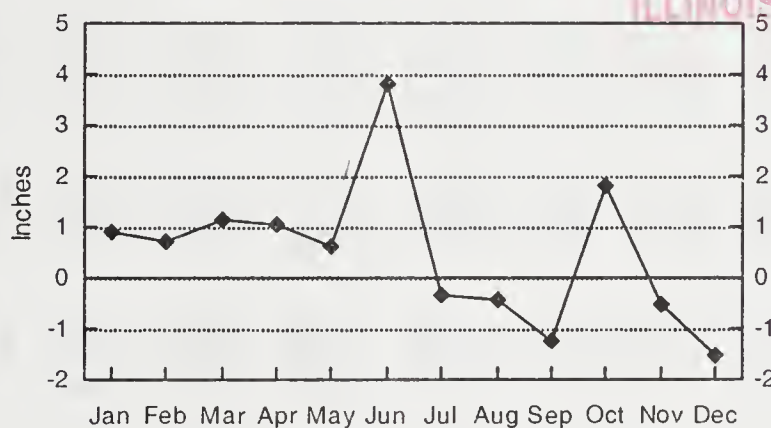
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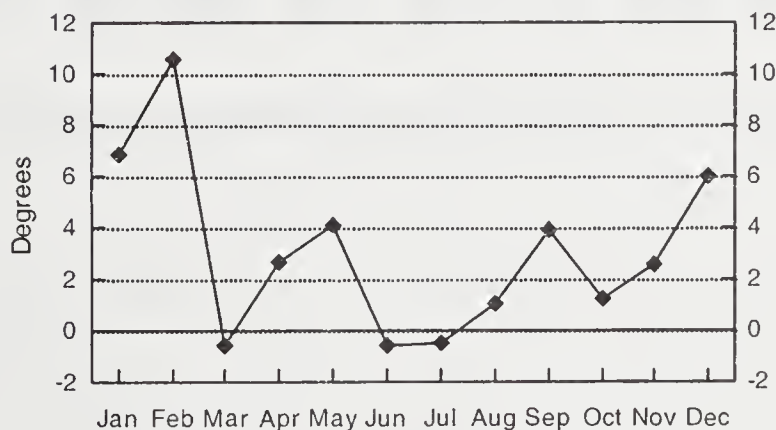
VOL. 20, NO. 2

ANNUAL WEATHER SUMMARY FOR ILLINOIS--1998

Precipitation Departures from Normal
Illinois - 1998



Temperature Departures from Normal
Illinois - 1998



Precipitation, Illinois totals by districts, months, average (1961-90) and 1997-98

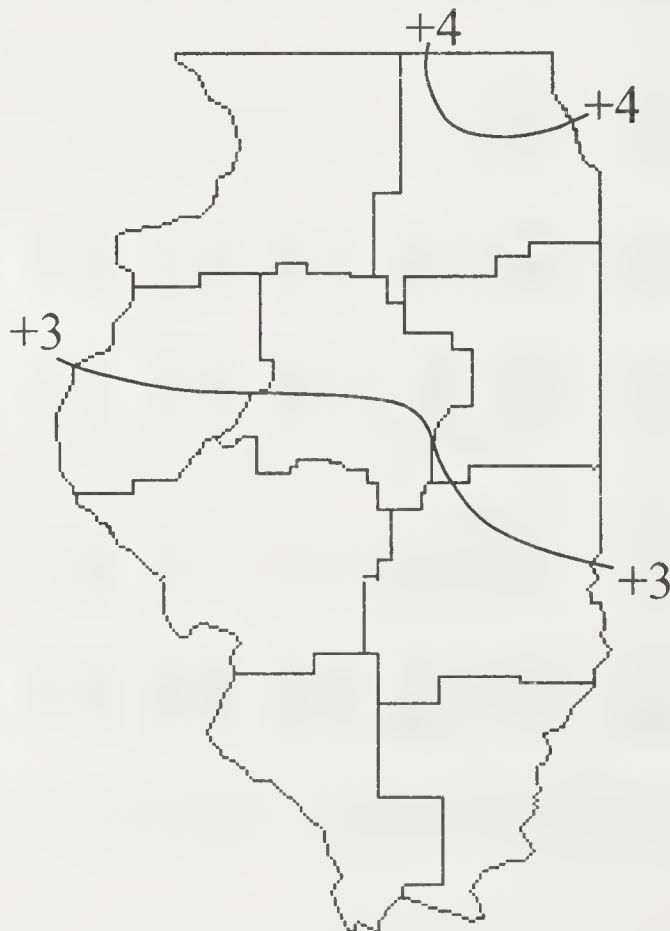
District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
Northwest													
Average	1.33	1.14	2.60	3.68	3.88	4.18	3.99	4.08	3.87	2.75	2.49	2.04	36.03
1997	1.52	3.70	1.31	1.85	4.27	3.37	1.83	5.59	3.02	1.72	1.82	1.69	31.69
1998	2.47	2.44	4.38	5.04	3.41	6.88	2.59	4.63	2.96	7.15	2.10	1.17	45.22
Northeast													
Average	1.57	1.33	2.68	3.73	3.64	4.05	3.98	3.96	3.79	2.50	2.83	2.38	36.44
1997	1.89	4.87	1.59	1.84	3.75	3.08	2.53	4.74	2.06	2.26	1.75	1.67	32.03
1998	3.03	1.84	3.25	4.03	4.08	5.70	2.52	3.92	2.31	5.19	1.72	1.42	39.01
West													
Average	1.45	1.41	3.09	3.76	4.10	3.98	4.39	3.74	4.28	3.01	2.63	2.28	38.12
1997	1.60	4.76	2.10	2.70	3.93	2.85	2.04	6.16	2.09	2.31	2.23	1.71	34.48
1998	2.12	3.32	4.85	4.62	5.18	7.57	2.47	2.90	3.38	5.37	3.84	1.86	47.48
Central													
Average	1.57	1.51	3.08	3.75	3.98	3.82	3.95	3.45	3.75	2.72	2.77	2.68	37.03
1997	2.02	4.48	2.29	2.23	3.19	2.73	2.26	6.56	3.14	1.83	2.81	1.69	35.23
1998	2.85	2.62	4.72	4.42	5.56	7.24	2.40	3.57	1.66	4.21	2.31	1.35	42.91
East													
Average	1.65	1.63	2.99	3.78	4.00	3.85	4.21	3.64	3.41	2.64	2.91	2.78	37.48
1997	2.20	3.82	2.45	1.84	4.20	3.80	2.89	5.42	2.14	1.69	2.34	1.61	34.40
1998	2.59	1.84	5.30	4.08	5.65	8.29	4.61	2.00	1.47	3.48	1.91	1.14	42.36
West Southwest													
Average	1.67	1.87	3.38	3.70	4.28	3.72	3.91	3.37	3.50	2.82	3.06	2.95	38.23
1997	2.23	3.60	2.68	1.93	3.24	2.21	1.25	3.74	2.60	1.68	3.62	1.95	30.73
1998	2.66	2.76	4.88	4.46	4.89	8.81	2.71	2.23	2.71	3.99	3.22	1.06	44.38
East Southeast													
Average	2.03	2.21	3.74	3.83	4.23	3.81	4.23	3.36	3.15	2.86	3.50	3.42	40.37
1997	3.81	3.56	4.15	1.92	3.38	4.17	2.48	3.95	1.95	1.88	2.47	2.18	35.90
1998	2.83	2.18	4.89	5.37	5.75	7.88	4.38	3.37	2.12	3.67	3.24	0.49	46.17
Southwest													
Average	2.36	2.79	4.33	3.93	4.44	3.74	3.85	3.51	3.28	2.96	3.84	3.77	42.80
1997	3.90	3.27	5.10	3.78	5.22	4.97	2.76	4.10	2.14	2.53	2.36	2.41	42.54
1998	2.95	3.39	5.26	5.34	3.93	9.18	5.56	3.32	2.09	3.84	2.50	1.93	49.29
Southeast													
Average	2.69	3.05	4.75	4.39	4.89	3.86	4.05	3.37	3.08	3.01	4.01	4.05	45.20
1997	4.08	2.71	7.06	3.75	5.91	5.83	2.27	2.97	1.63	1.84	2.69	2.85	43.59
1998	3.26	3.15	3.50	7.58	4.74	7.76	4.30	3.03	1.86	4.12	2.38	2.45	48.13
Illinois													
Average	1.81	1.88	3.40	3.84	4.16	3.84	3.73	3.68	3.57	2.80	3.12	2.92	38.75
1997	2.51	3.89	3.02	2.34	4.03	3.55	2.22	4.83	2.35	1.96	2.46	1.94	35.10
1998	2.74	2.58	4.56	4.91	4.77	7.67	3.42	3.25	2.32	4.62	2.58	1.38	44.80

Temperatures, Illinois averages by districts, months, average (1961-90) and 1997-98

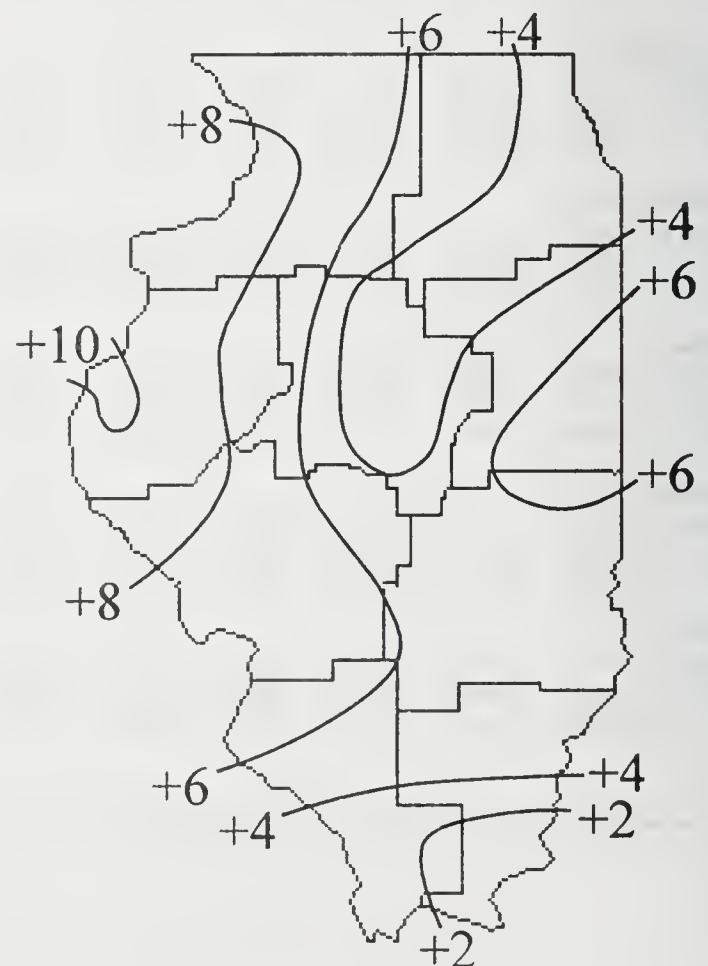
District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.2	24.0	36.4	49.4	60.6	69.9	73.8	71.4	63.8	52.3	38.9	24.8	48.7
1997	16.0	27.4	38.1	45.1	54.5	69.9	72.9	68.8	64.1	52.6	35.5	28.6	47.8
1998	26.4	37.2	37.8	49.8	65.1	68.5	73.1	72.8	67.1	53.0	42.1	33.9	52.2
Northeast													
Average	20.7	25.2	36.7	48.7	59.6	69.3	73.5	71.6	64.4	52.9	40.1	26.5	49.1
1997	17.7	28.2	37.9	44.8	53.6	68.5	73.0	68.8	64.3	52.9	36.3	30.4	48.0
1998	28.3	38.4	38.3	49.7	64.7	68.9	73.4	73.3	67.9	54.1	43.5	35.8	53.0
West													
Average	23.2	28.0	40.0	52.6	62.8	72.0	76.1	73.4	66.3	54.9	41.8	28.2	51.6
1997	18.8	31.4	41.6	47.0	57.2	71.0	75.2	71.6	66.7	55.1	37.9	30.4	50.3
1998	29.0	39.0	38.7	51.7	66.8	70.7	75.7	74.9	71.1	55.9	45.3	36.2	54.6
Central													
Average	23.0	27.6	39.8	52.2	62.6	71.9	75.3	73.0	66.3	54.5	41.7	28.3	51.4
1997	19.0	31.9	41.9	47.1	57.4	70.6	74.7	70.5	66.2	54.5	38.1	31.3	50.3
1998	30.0	39.1	39.3	51.7	66.6	70.6	75.1	74.3	70.5	55.5	44.6	36.1	54.5
East													
Average	23.0	27.3	39.4	51.3	62.1	71.5	74.7	72.3	66.0	54.0	41.6	28.5	51.0
1997	19.1	31.6	41.1	46.2	56.3	69.8	73.7	69.1	65.1	53.6	37.5	31.1	49.5
1998	30.5	39.0	38.9	51.8	66.3	70.6	73.6	73.4	70.5	55.7	44.7	36.6	54.3
West Southwest													
Average	25.9	30.4	42.1	54.2	63.9	72.8	76.6	74.1	67.5	56.0	43.7	31.0	53.2
1997	21.9	34.9	44.0	48.2	59.1	70.9	76.4	72.5	67.5	56.1	39.6	32.9	52.0
1998	32.7	40.9	40.6	53.0	68.1	72.3	76.3	75.5	72.1	57.7	46.4	37.5	56.1
East Southeast													
Average	26.7	31.2	42.8	54.3	64.1	73.0	76.5	74.3	67.9	56.1	44.2	31.9	53.6
1997	24.0	36.7	45.1	49.6	59.4	71.5	76.4	72.4	67.7	56.2	39.9	33.4	52.7
1998	34.7	41.1	41.9	53.6	67.8	72.9	76.0	75.2	71.9	57.9	46.5	33.8	56.1
Southwest													
Average	30.3	34.7	45.7	56.7	65.7	74.3	78.1	76.0	69.3	58.0	46.5	34.9	55.9
1997	28.3	39.8	48.6	51.2	61.6	72.3	78.4	74.5	68.9	57.9	42.6	35.9	55.0
1998	37.4	43.1	44.6	55.5	70.1	75.1	78.2	77.0	73.3	59.7	48.7	37.0	58.3
Southeast													
Average	30.6	35.0	46.0	56.7	65.7	74.2	77.9	76.0	69.5	57.9	46.9	35.4	56.0
1997	28.6	39.7	48.1	50.8	61.1	72.1	77.2	74.2	68.5	57.2	42.1	35.7	54.6
1998	38.3	42.7	45.2	55.5	69.3	75.3	77.9	76.3	73.3	59.8	48.7	37.2	58.3
Illinois													
Average	24.7	29.3	41.0	49.6	63.0	72.1	75.8	73.6	66.8	55.2	42.8	29.9	52.1
1997	21.2	33.4	42.6	47.4	57.3	70.4	75.0	70.9	66.0	54.5	38.6	32.0	50.8
1998	31.6	39.9	40.4	52.3	67.1	71.5	75.3	74.7	70.7	56.4	45.4	35.9	44.8

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January 11, 1999

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Temperature Departure
1998



Precipitation Departure
1998

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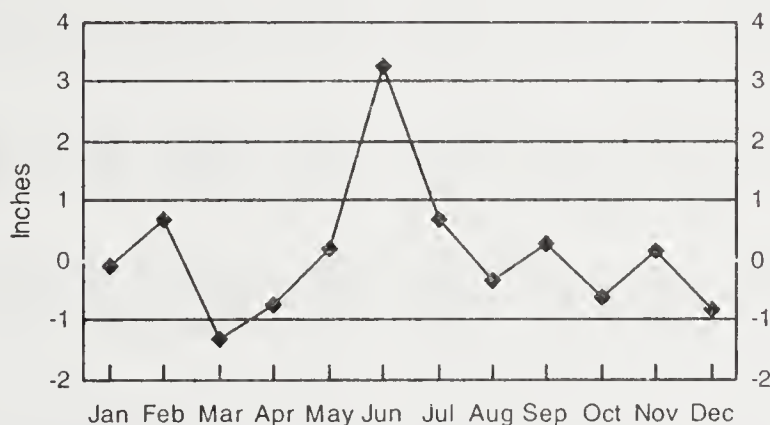
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ANNUAL WEATHER SUMMARY FOR ILLINOIS-2000

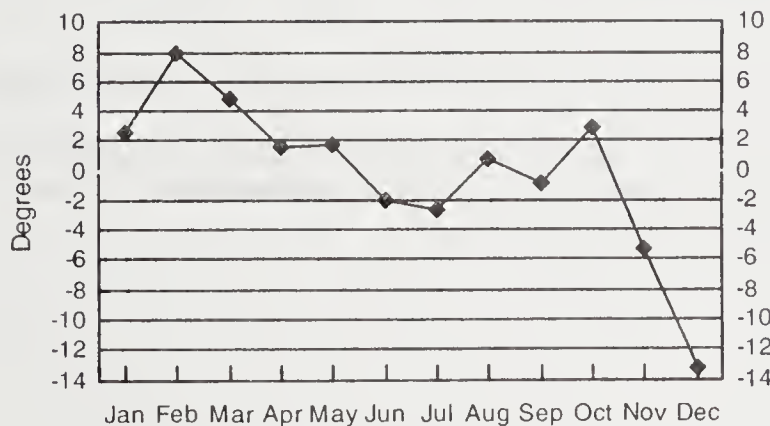
Precipitation Departures from Normal

Illinois - 2000



Temperature Departures from Normal

Illinois - 2000



Precipitation, Illinois totals by districts, months, average (1961-90) and 1999-2000

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
Northwest													
Average	1.33	1.14	2.60	3.68	3.88	4.18	3.99	4.08	3.87	2.75	2.49	2.04	36.03
1999	2.95	1.01	1.27	6.28	3.59	5.48	3.32	3.10	4.14	0.95	0.47	2.08	34.64
2000	1.46	2.60	1.12	4.37	4.79	7.39	4.26	2.75	5.04	1.36	2.24	2.01	39.39
Northeast													
Average	1.57	1.33	2.68	3.73	3.64	4.05	3.98	3.96	3.79	2.50	2.83	2.38	36.44
1999	3.77	1.10	1.44	6.23	4.00	6.18	2.48	2.94	3.58	1.05	0.47	2.62	35.86
2000	1.50	1.45	1.25	4.34	4.84	6.83	4.97	2.45	4.45	1.82	3.06	2.00	38.96
West													
Average	1.45	1.41	3.09	3.76	4.10	3.98	4.39	3.74	4.28	3.01	2.63	2.28	38.12
1999	2.85	1.20	1.18	6.23	3.40	4.37	2.51	2.74	3.62	1.03	0.28	2.92	32.33
2000	1.11	2.26	1.91	2.45	3.94	7.48	3.63	2.29	3.63	1.94	2.39	1.56	34.59
Central													
Average	1.57	1.51	3.08	3.75	3.98	3.82	3.95	3.45	3.75	2.72	2.77	2.68	37.03
1999	3.08	1.62	1.35	5.22	5.11	5.45	3.16	3.50	2.01	1.43	0.30	2.51	34.74
2000	1.57	1.34	1.99	2.83	4.03	5.27	2.97	2.86	2.95	2.23	3.25	1.72	33.01
East													
Average	1.65	1.63	2.99	3.78	4.00	3.85	4.21	3.64	3.41	2.64	2.91	2.78	37.48
1999	4.00	2.14	1.69	5.21	3.38	5.13	2.88	3.21	1.71	1.78	0.66	2.38	34.17
2000	1.60	1.69	1.76	3.03	4.23	5.20	3.87	2.16	3.52	2.36	3.39	1.94	34.75
West Southwest													
Average	1.67	1.87	3.38	3.70	4.28	3.72	3.91	3.37	3.50	2.82	3.06	2.95	38.23
1999	2.40	2.83	1.42	5.03	2.89	3.97	1.67	2.53	1.73	2.05	0.65	2.27	29.44
2000	0.54	1.74	2.58	2.07	3.71	7.66	4.54	3.89	3.31	3.50	3.05	1.57	38.16
East Southeast													
Average	2.03	2.21	3.74	3.83	4.23	3.81	4.23	3.36	3.15	2.86	3.50	3.42	40.37
1999	6.76	4.54	1.71	4.88	3.66	5.81	3.14	2.42	1.12	2.17	0.83	2.93	39.97
2000	1.73	3.66	2.56	2.75	4.14	7.99	5.87	5.88	5.06	3.37	4.04	2.19	49.24
Southwest													
Average	2.36	2.79	4.33	3.93	4.44	3.74	3.85	3.51	3.28	2.96	3.84	3.77	42.80
1999	6.33	3.65	2.91	5.01	3.38	5.45	2.31	1.99	0.82	2.23	0.54	3.70	38.32
2000	2.79	3.88	2.80	2.90	5.12	8.52	5.73	3.70	2.91	1.48	3.91	2.79	46.53
Southeast													
Average	2.69	3.05	4.75	4.39	4.89	3.86	4.05	3.37	3.08	3.01	4.01	4.05	45.20
1999	7.03	3.06	3.41	6.02	3.18	4.65	3.99	0.89	0.61	2.97	0.63	4.05	40.49
2000	3.87	5.40	3.20	2.93	4.58	7.71	3.64	4.27	3.30	0.91	4.36	3.58	47.75
Illinois													
Average	1.81	1.88	3.40	3.84	4.16	3.84	3.73	3.68	3.57	2.80	3.12	2.92	38.75
1999	4.19	2.27	1.74	5.58	3.62	5.21	2.76	2.66	2.24	1.71	0.54	2.76	35.28
2000	1.70	2.56	2.08	3.10	4.36	7.11	4.41	3.36	3.85	2.17	3.25	2.09	40.04

Sources: Averages and previous year come from Climatological Data Annual Summary, NOAA. Current year and maps come from the Midwestern Climate Center's web site (<http://mcc.sws.uiuc.edu>, MICIS).

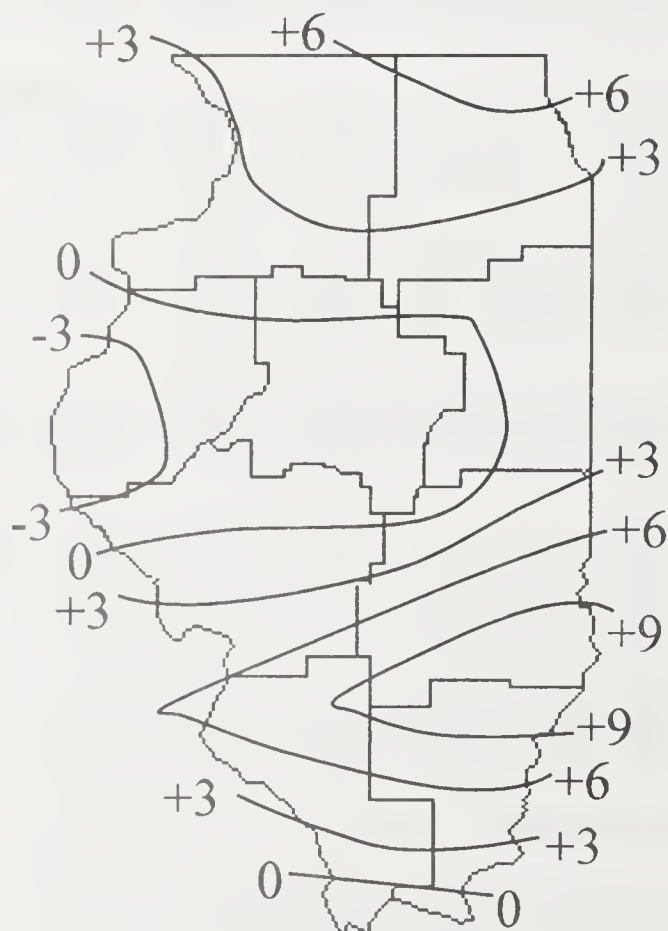
Temperatures, Illinois averages by districts, months, average (1961-90) and 1999-2000

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.2	24.0	36.4	49.4	60.6	69.9	73.8	71.4	63.8	52.3	38.9	24.8	48.7
1999	18.5	33.5	34.7	50.9	62.1	70.2	76.9	69.1	61.5	51.4	44.4	27.0	50.0
2000	21.9	31.8	43.6	48.6	62.2	67.1	71.0	71.7	64.3	55.8	34.4	11.9	48.7
Northeast													
Average	20.7	25.2	36.7	48.7	59.6	69.3	73.5	71.6	64.4	52.9	40.1	26.5	49.1
1999	20.3	33.7	35.1	50.5	62.2	70.9	77.9	70.0	63.1	52.1	45.5	28.8	50.8
2000	23.9	32.9	44.2	47.8	61.9	67.5	71.0	71.7	64.3	56.1	36.0	14.2	49.3
West													
Average	23.2	28.0	40.0	52.6	62.8	72.0	76.1	73.4	66.3	54.9	41.8	28.2	51.6
1999	21.5	36.3	37.7	53.7	63.5	71.8	78.5	71.7	64.2	54.7	48.0	31.0	52.7
2000	26.1	36.7	45.8	51.8	64.4	69.3	73.6	75.0	66.5	58.5	36.1	15.1	51.6
Central													
Average	23.0	27.6	39.8	52.2	62.6	71.9	75.3	73.0	66.3	54.5	41.7	28.3	51.4
1999	22.2	35.5	37.0	53.3	63.9	72.1	78.1	71.0	64.4	53.9	47.8	31.3	52.5
2000	25.5	36.3	46.0	51.2	64.6	69.9	73.0	74.1	65.7	57.5	36.7	15.2	51.3
East													
Average	23.0	27.3	39.4	51.3	62.1	71.5	74.7	72.3	66.0	54.0	41.6	28.5	51.0
1999	22.0	34.9	36.2	52.5	64.1	71.8	77.7	70.3	64.9	52.9	46.9	30.5	52.1
2000	24.2	34.5	44.7	49.8	63.8	69.6	71.7	72.6	64.9	56.8	37.4	15.6	50.5
West Southwest													
Average	25.9	30.4	42.1	54.2	63.9	72.8	76.6	74.1	67.5	56.0	43.7	31.0	53.2
1999	25.8	38.6	39.0	55.5	64.5	72.6	78.9	72.7	65.8	55.4	50.0	34.3	54.4
2000	29.1	39.4	46.2	52.6	66.1	70.4	73.9	75.4	66.7	58.6	38.0	18.0	52.9
East Southeast													
Average	26.7	31.2	42.8	54.3	64.1	73.0	76.5	74.3	67.9	56.1	44.2	31.9	53.6
1999	29.0	38.7	39.8	56.0	65.1	73.3	79.6	73.5	67.5	56.3	50.4	35.2	55.4
2000	29.4	40.0	46.4	52.2	65.9	72.0	74.0	75.0	66.5	59.0	39.5	18.8	53.2
Southwest													
Average	30.3	34.7	45.7	56.7	65.7	74.3	78.1	76.0	69.3	58.0	46.5	34.9	55.9
1999	32.4	42.6	41.9	58.9	65.9	74.6	80.6	75.2	68.6	58.2	52.4	38.3	57.5
2000	33.8	42.7	48.8	54.4	67.6	72.9	75.4	77.6	67.9	61.1	40.5	21.3	55.3
Southeast													
Average	30.6	35.0	46.0	56.7	65.7	74.2	77.9	76.0	69.5	57.9	46.9	35.4	56.0
1999	33.8	41.9	41.8	58.8	65.7	74.7	80.3	75.7	69.5	58.3	52.6	38.3	57.6
2000	33.9	42.7	49.1	53.9	67.7	73.7	75.3	77.0	67.9	61.0	41.8	22.0	55.5
Illinois													
Average	24.7	29.3	41.0	49.6	63.0	72.1	75.8	73.6	66.8	55.2	42.8	29.9	52.1
1999	24.8	37.4	38.0	54.0	63.7	72.0	78.4	71.5	64.9	54.1	48.4	32.4	53.3
2000	27.2	37.2	45.9	51.2	64.8	70.1	73.1	74.3	66.0	58.1	37.6	16.6	51.8

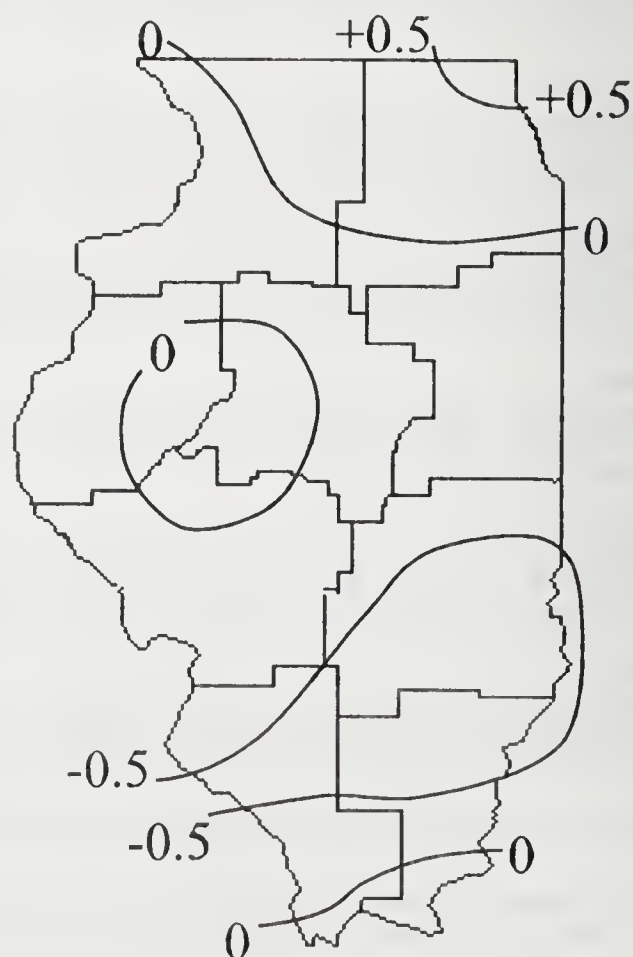
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Illinois Weather & Crops
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Precipitation Departure
2000



Temperature Departure
2000

23
1

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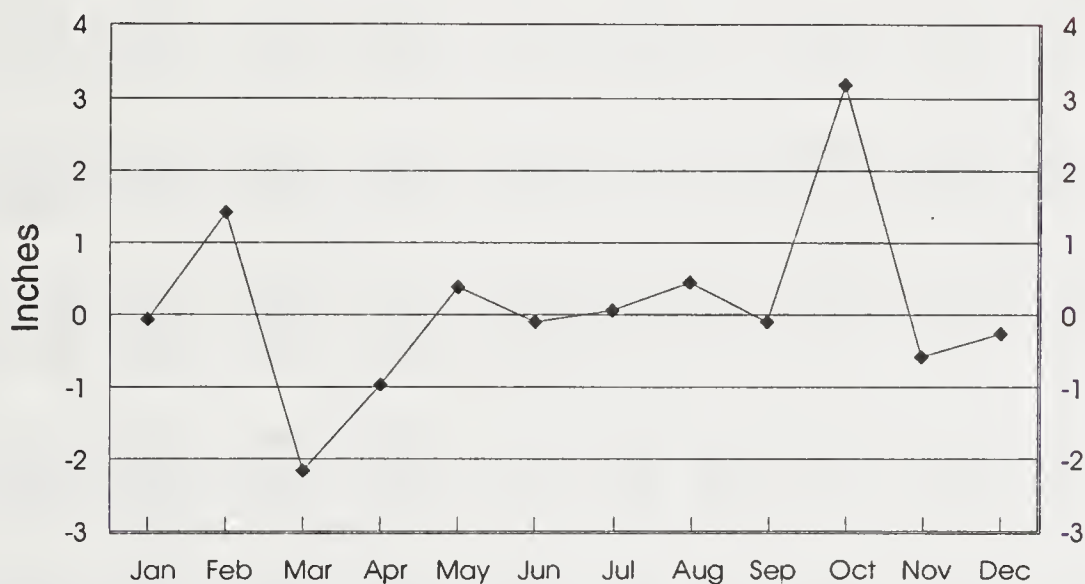
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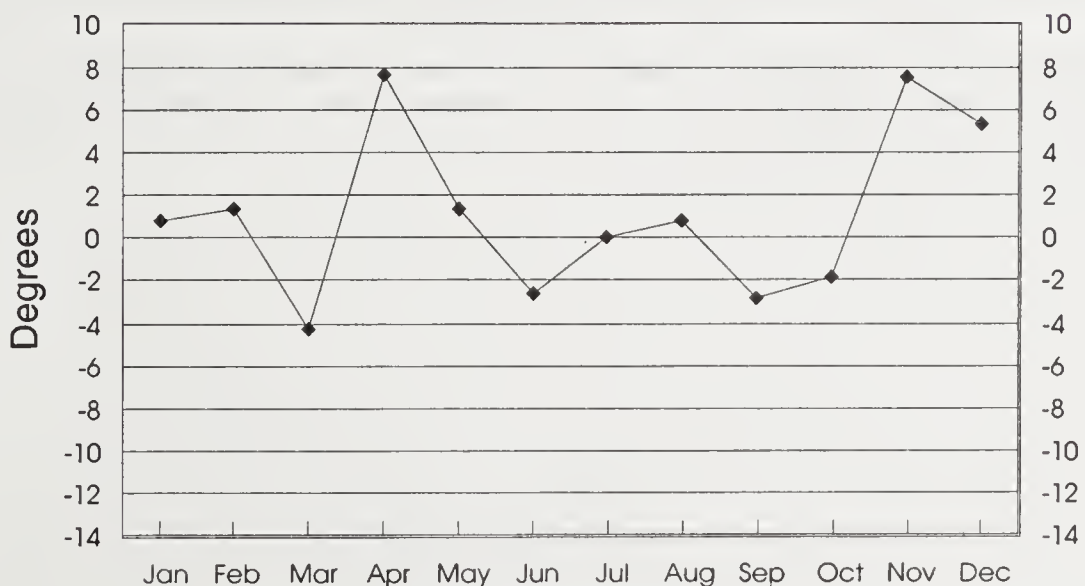
VOL. 23, NO. 1

ANNUAL WEATHER SUMMARY FOR ILLINOIS - 2001

Precipitation Departures from Normal Illinois - 2001



Temperature Departures from Normal Illinois - 2001



Precipitation, Illinois totals by districts, months, average (1961-90) and 2000-2001

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
Northwest													
Average	1.33	1.14	2.60	3.68	3.88	4.18	3.99	4.08	3.87	2.75	2.49	2.04	36.03
2000	1.46	2.60	1.16	4.37	4.79	7.39	4.26	2.75	4.86	1.21	1.90	2.08	38.83
2001	2.02	3.55	1.36	3.38	5.86	3.32	3.10	3.53	5.25	4.47	1.96	1.43	39.23
Northeast													
Average	1.57	1.33	2.68	3.73	3.64	4.05	3.98	3.96	3.79	2.50	2.83	2.38	36.44
2000	1.50	1.45	1.25	4.32	4.84	6.83	4.97	2.57	4.62	1.89	3.46	2.11	39.81
2001	1.35	2.64	1.06	3.20	3.89	3.15	3.14	4.71	5.28	6.73	1.85	1.24	38.24
West													
Average	1.45	1.41	3.09	3.76	4.10	3.98	4.39	3.74	4.28	3.01	2.63	2.28	38.12
2000	1.11	2.26	1.91	2.45	3.94	7.48	3.63	2.29	3.82	1.97	1.87	1.44	34.17
2001	2.49	3.44	1.63	4.17	6.90	4.01	2.65	4.16	3.51	4.05	1.82	1.56	40.39
Central													
Average	1.57	1.51	3.08	3.75	3.98	3.82	3.95	3.45	3.75	2.72	2.77	2.68	37.03
2000	1.57	1.34	1.99	2.83	4.03	5.27	2.97	2.86	2.96	2.30	3.17	1.63	32.92
2001	2.80	3.42	1.15	3.37	4.05	3.87	2.93	3.73	3.09	5.55	2.31	1.73	38.00
East													
Average	1.65	1.63	2.99	3.78	4.00	3.85	4.21	3.64	3.41	2.64	2.91	2.78	37.48
2000	1.60	1.69	1.76	3.03	4.23	5.20	4.16	2.10	3.51	2.43	3.43	1.92	35.06
2001	1.50	3.83	0.93	2.67	3.45	3.91	3.81	5.14	2.83	7.23	2.11	2.10	39.51
West Southwest													
Average	1.67	1.87	3.38	3.70	4.28	3.72	3.91	3.37	3.50	2.82	3.06	2.95	38.23
2000	0.54	1.74	2.58	2.07	3.71	7.66	4.54	3.89	3.40	3.36	2.71	1.29	37.49
2001	2.14	3.25	1.30	2.45	4.36	5.25	3.09	4.62	3.15	5.20	2.82	2.74	40.37
East Southeast													
Average	2.03	2.21	3.74	3.83	4.23	3.81	4.23	3.36	3.15	2.86	3.50	3.42	40.37
2000	1.73	3.66	2.56	2.75	4.14	7.99	5.87	6.11	4.70	3.15	4.06	2.12	48.84
2001	1.18	2.66	0.86	2.16	3.82	3.93	5.16	3.38	2.03	7.62	2.72	3.74	39.26
Southwest													
Average	2.36	2.79	4.33	3.93	4.44	3.74	3.85	3.51	3.28	2.96	3.84	3.77	42.80
2000	2.79	3.88	2.80	2.90	5.12	8.52	5.73	3.70	2.86	1.42	4.52	2.41	46.65
2001	1.02	3.34	1.29	2.42	4.41	2.91	5.89	4.43	2.68	5.60	3.27	4.68	41.94
Southeast													
Average	2.69	3.05	4.75	4.39	4.89	3.86	4.05	3.37	3.08	3.01	4.01	4.05	45.20
2000	3.87	5.40	3.20	2.89	4.58	7.71	3.64	4.27	3.26	0.84	3.84	3.09	46.59
2001	0.79	3.70	1.70	2.01	4.13	2.90	5.12	3.42	3.07	8.07	4.49	5.70	45.10
Illinois													
Average	1.81	1.88	3.40	3.84	4.16	3.84	3.73	3.68	3.57	2.80	3.12	2.92	38.75
2000	1.70	2.56	2.08	3.10	4.36	7.11	4.44	3.39	3.83	2.13	3.18	1.97	39.85
2001	1.74	3.29	1.24	2.89	4.55	3.75	3.79	4.13	3.49	5.98	2.53	2.65	40.03

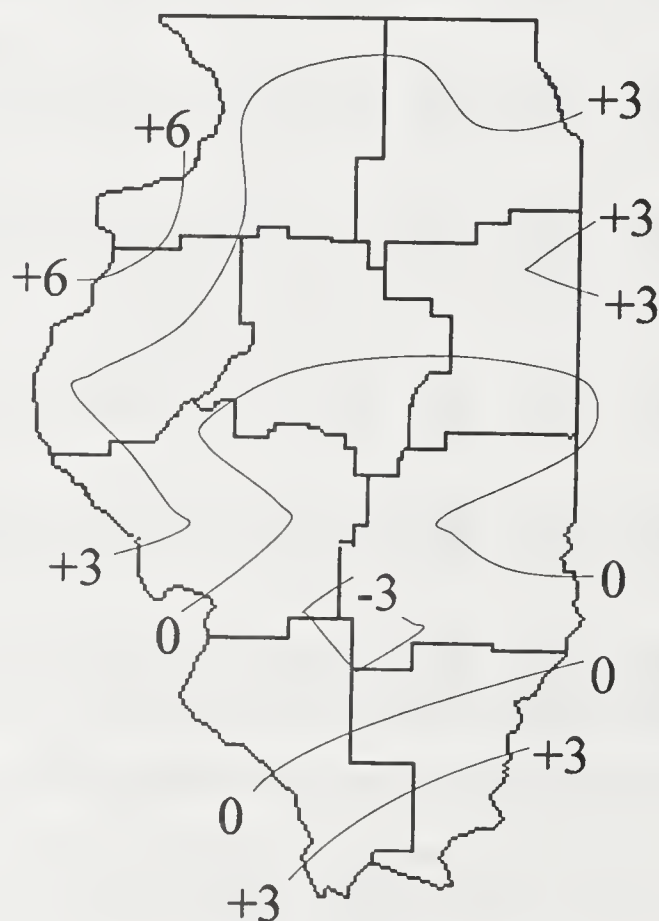
Sources: Averages and previous year come from Climatological Data Annual Summary, NOAA. Current year and maps come from the Midwestern Climate Center's web site (<http://mcc.sws.uiuc.edu>, MICIS).

Temperatures, Illinois averages by districts, months, average (1961-90) and 2000-2001

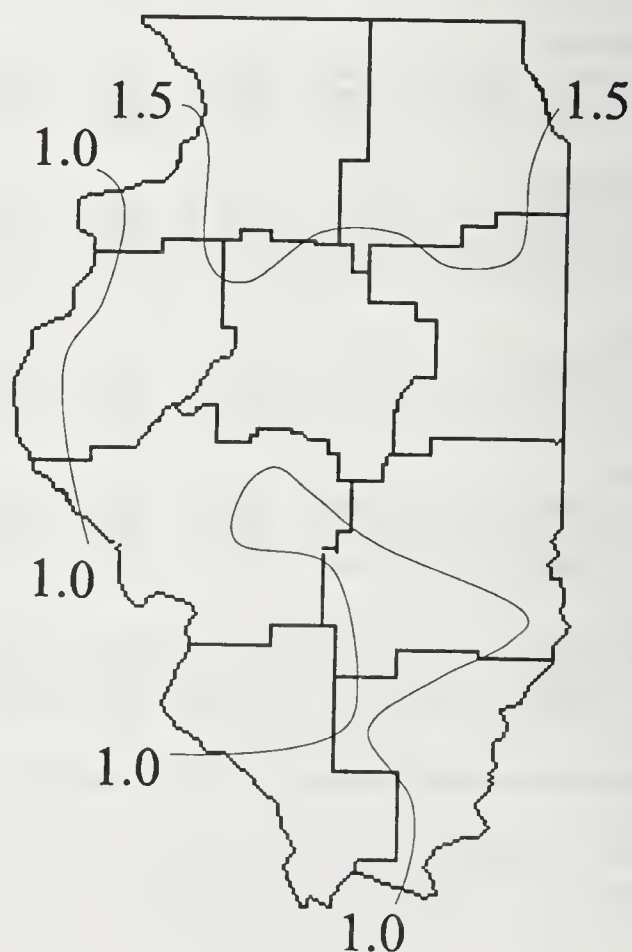
District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.2	24.0	36.4	49.4	60.6	69.9	73.8	71.4	63.8	52.3	38.9	24.8	48.7
2000	21.7	31.4	43.5	48.7	62.5	67.4	71.1	72.1	64.4	55.3	35.6	12.6	48.9
2001	21.5	23.7	33.4	53.6	62.5	67.7	74.3	72.3	61.3	50.8	48.5	31.5	50.1
Northeast													
Average	20.7	25.2	36.7	48.7	59.6	69.3	73.5	71.6	64.4	52.9	40.1	26.5	49.1
2000	23.6	32.4	44.0	47.8	62.1	67.8	71.2	72.1	64.7	56.1	37.2	15.3	49.5
2001	23.6	26.1	34.0	52.8	61.5	67.3	74.2	73.0	61.8	51.7	49.0	32.7	50.6
West													
Average	23.2	28.0	40.0	52.6	62.8	72.0	76.1	73.4	66.3	54.9	41.8	28.2	51.6
2000	25.9	36.3	45.7	51.9	64.6	69.5	73.7	75.3	67.3	57.6	36.9	15.0	51.6
2001	24.0	27.3	35.4	57.0	63.8	69.2	76.6	74.1	63.6	53.1	51.0	34.3	52.5
Central													
Average	23.0	27.6	39.8	52.2	62.6	71.9	75.3	73.0	66.3	54.5	41.7	28.3	51.4
2000	25.6	36.2	46.1	51.6	65.0	70.2	73.3	74.6	67.0	58.1	37.8	16.4	51.8
2001	24.1	29.0	36.1	56.6	64.3	69.3	75.6	73.9	63.3	52.5	49.9	34.0	52.4
East													
Average	23.0	27.3	39.4	51.3	62.1	71.5	74.7	72.3	66.0	54.0	41.6	28.5	51.0
2000	24.1	34.1	44.6	49.9	64.1	69.9	71.9	73.0	65.7	57.1	37.7	16.0	50.7
2001	24.2	29.7	35.4	55.8	63.9	68.6	74.3	73.0	62.6	52.2	49.5	34.5	52.0
West Southwest													
Average	25.9	30.4	42.1	54.2	63.9	72.8	76.6	74.1	67.5	56.0	43.7	31.0	53.2
2000	28.9	39.0	46.0	52.8	66.4	70.7	74.1	75.7	67.2	58.4	39.3	18.8	53.1
2001	26.4	32.1	37.5	58.7	65.2	70.0	76.3	74.7	65.1	53.9	50.5	36.0	53.9
East Southeast													
Average	26.7	31.2	42.8	54.3	64.1	73.0	76.5	74.3	67.9	56.1	44.2	31.9	53.6
2000	29.4	39.6	46.3	52.5	66.2	72.3	74.3	75.4	66.8	59.3	41.2	20.0	53.6
2001	27.3	35.0	38.6	59.4	65.8	70.8	76.1	75.6	65.7	54.6	50.6	36.7	54.7
Southwest													
Average	30.3	34.7	45.7	56.7	65.7	74.3	78.1	76.0	69.3	58.0	46.5	34.9	55.9
2000	33.7	42.5	48.8	54.7	67.9	73.1	75.7	77.9	68.3	60.0	42.4	22.9	55.7
2001	29.9	37.6	40.8	61.1	67.0	72.2	77.7	77.1	66.9	56.5	52.4	38.8	56.5
Southeast													
Average	30.6	35.0	46.0	56.7	65.7	74.2	77.9	76.0	69.5	57.9	46.9	35.4	56.0
2000	33.9	42.6	49.2	54.5	67.9	73.9	75.5	77.3	68.3	60.9	43.4	23.4	55.9
2001	30.9	39.4	41.3	61.3	66.9	71.9	77.9	77.3	67.1	56.4	52.3	39.9	56.9
Illinois													
Average	24.7	29.3	41.0	49.6	63.0	72.1	75.8	73.6	66.8	55.2	42.8	29.9	52.1
2000	27.2	37.2	45.9	51.2	64.8	70.1	73.1	74.3	66.1	57.4	38.8	17.6	52.0
2001	25.5	30.7	36.7	57.2	64.4	69.5	75.8	74.4	64.0	53.4	50.3	35.2	53.1

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January 29, 2002

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Precipitation (in.) Departure
2001



Temperature (°F) Departure
2001

32.7
24
2
3

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VOL. 24, NO. 2

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ANNUAL WEATHER SUMMARY FOR ILLINOIS - 2002

Precipitation Departures from Normal Illinois - 2002



Temperature Departures from Normal Illinois - 2002



Precipitation, Illinois totals by districts, months, average (1971-2000) and 2001-2002

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
Northwest													
Average	1.44	1.42	2.55	3.58	4.07	4.54	3.71	4.37	3.43	2.73	2.73	2.06	36.63
2001	2.02	3.55	1.36	3.38	5.86	3.32	3.10	3.53	5.25	4.47	2.00	1.10	38.94
2002	1.03	1.50	1.78	4.42	4.50	5.93	3.15	5.82	1.12	2.86	0.15	1.03	33.29
Northeast													
Average	1.75	1.53	2.56	3.67	3.89	4.17	3.88	4.21	3.39	2.66	3.02	2.35	37.08
2001	1.35	2.64	1.06	3.20	3.89	3.15	3.14	4.71	5.28	6.84	1.82	1.10	38.18
2002	1.43	1.15	2.24	4.14	4.72	3.70	1.77	5.46	1.98	1.96	0.89	1.16	30.60
West													
Average	1.44	1.70	2.90	3.68	4.59	3.93	4.19	3.64	3.68	2.90	3.00	2.29	37.94
2001	2.49	3.44	1.63	4.17	6.90	4.01	2.65	4.16	3.51	4.05	2.13	1.62	40.76
2002	2.02	1.25	1.40	5.06	8.16	4.84	4.03	5.35	0.76	2.76	0.42	1.77	37.82
Central													
Average	1.70	1.70	3.03	3.54	4.29	3.95	3.99	3.62	3.16	2.80	3.05	2.56	37.39
2001	2.80	3.35	1.15	3.37	4.05	3.87	2.93	3.73	3.09	5.55	2.12	1.62	37.63
2002	2.64	1.54	2.20	4.89	6.19	4.20	3.61	5.47	1.30	2.31	0.77	1.62	36.74
East													
Average	1.77	1.74	2.99	3.57	4.23	4.22	4.26	3.84	3.04	2.82	3.18	2.60	38.26
2001	1.48	3.83	0.93	2.67	3.45	3.91	3.81	5.14	2.83	7.23	2.17	2.05	39.50
2002	2.66	2.54	2.93	4.33	5.67	3.25	3.56	6.29	1.64	2.39	1.25	1.56	38.07
West Southwest													
Average	1.82	1.96	3.34	3.83	4.26	3.89	3.64	3.15	3.10	2.75	3.49	2.75	37.98
2001	2.18	3.30	1.31	2.62	4.43	5.16	3.04	4.72	3.15	5.20	2.69	2.49	40.29
2002	2.72	1.70	3.05	5.82	9.81	4.53	2.35	4.92	2.48	3.50	0.74	2.32	43.94
East Southeast													
Average	2.34	2.32	3.56	3.94	4.32	4.08	4.22	3.49	3.10	2.98	3.89	3.10	41.34
2001	1.18	2.66	0.86	2.16	3.82	3.93	5.16	3.38	2.03	7.62	2.70	3.54	39.04
2002	2.18	2.33	4.82	5.92	9.99	3.20	1.75	1.81	2.46	3.37	1.43	2.85	42.11
Southwest													
Average	2.73	2.80	4.06	4.22	4.53	4.13	3.80	3.44	3.17	3.17	4.31	3.52	43.88
2001	1.02	3.34	1.29	2.42	4.41	2.91	5.89	4.43	2.68	5.60	3.93	5.15	43.07
2002	3.28	2.34	6.03	5.17	9.10	2.50	1.89	2.93	3.32	4.21	2.19	4.21	47.17
Southeast													
Average	3.07	3.07	4.38	4.65	4.87	4.12	3.87	3.34	3.10	3.11	4.35	3.82	45.75
2001	0.79	3.70	1.70	2.01	4.13	2.90	5.12	3.35	3.07	8.20	5.47	6.59	47.03
2002	3.34	2.64	6.86	6.00	8.34	2.67	1.45	1.34	3.77	4.11	1.97	4.76	47.25
Illinois													
Average	1.81	1.88	3.40	3.84	4.16	3.84	3.73	3.68	3.57	2.80	3.12	2.92	38.75
2001	1.74	3.29	1.24	2.89	4.55	3.75	3.79	4.13	3.49	6.00	2.64	2.52	40.03
2002	2.30	1.85	3.33	5.06	7.34	3.97	2.63	4.49	2.04	3.02	1.03	2.25	39.31

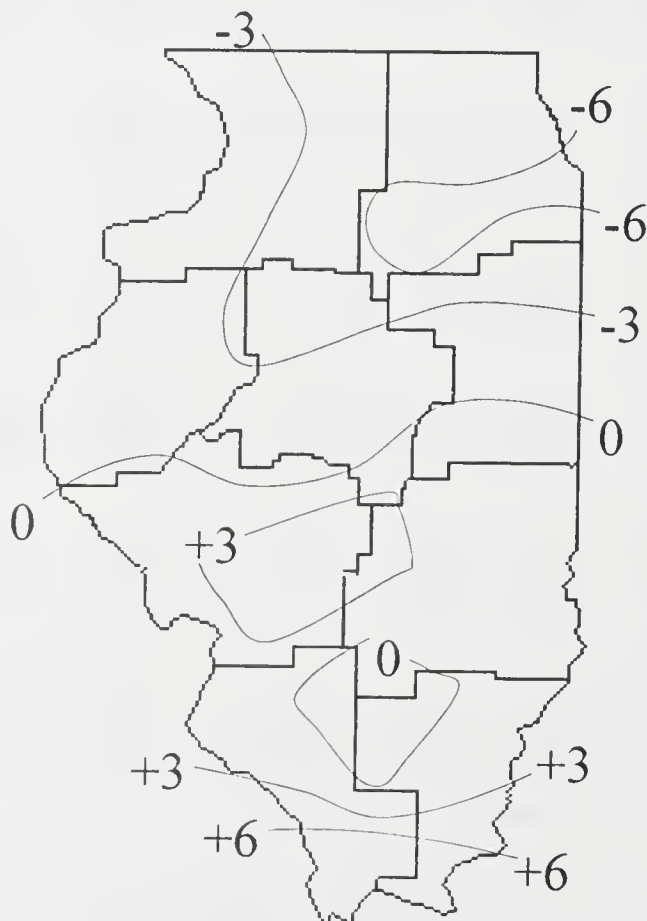
Sources: Averages and previous year come from Climatological Data Annual Summary, NOAA. Current year and maps come from the Midwestern Climate Center's web site (<http://mcc.sws.uiuc.edu>, MICIS).

Temperatures, Illinois averages by districts, months, average (1971-2000) and 2001-2002

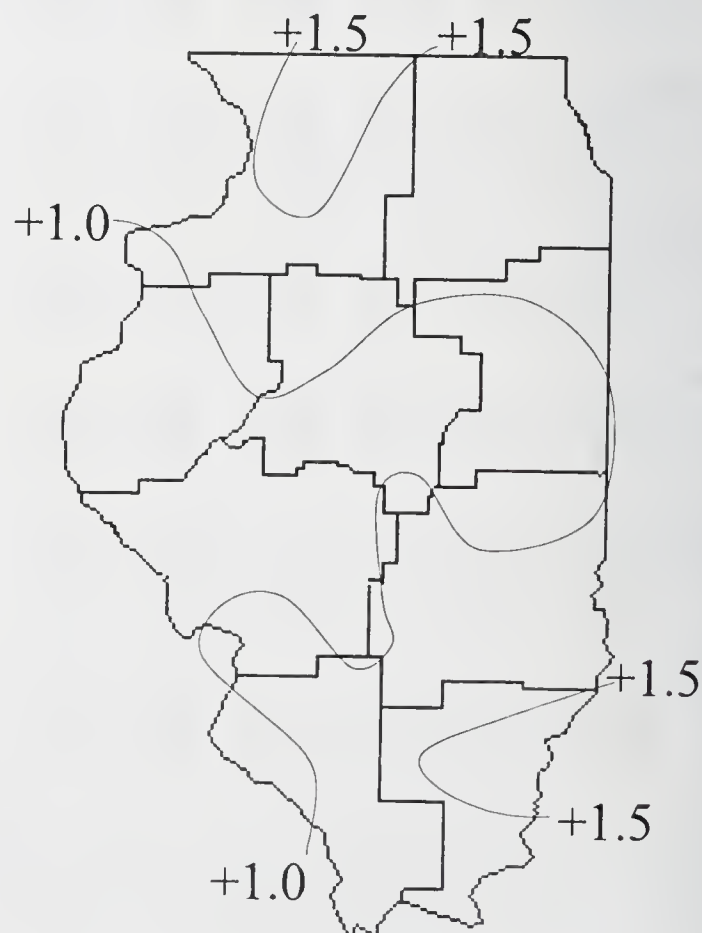
istrict d year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.5	25.3	36.7	48.6	60.1	69.4	73.3	71.0	63.1	51.2	37.8	25.1	48.4
2001	21.3	23.3	33.2	53.7	62.8	68.0	74.5	72.7	61.7	51.3	48.3	32.3	50.3
2002	30.3	30.6	33.0	49.5	56.2	71.6	76.3	72.2	67.3	48.9	37.0	28.8	50.1
Northeast													
Average	21.2	26.6	37.0	48.1	59.3	68.9	73.4	71.4	63.7	51.9	39.1	26.8	49.0
2001	23.3	25.6	33.8	52.9	61.7	67.6	74.4	73.4	62.2	52.1	48.6	33.5	50.8
2002	31.0	31.9	33.5	49.5	54.9	71.1	76.7	73.0	67.2	49.6	37.8	29.1	50.4
West													
Average	23.1	29.0	40.1	51.6	62.3	71.5	75.7	73.3	65.5	54.0	40.4	28.2	51.2
2001	23.8	26.9	35.4	57.1	64.0	69.4	76.8	74.4	64.0	53.5	50.2	34.9	52.5
2002	32.7	33.3	36.0	52.0	58.2	73.6	77.7	74.2	69.5	51.6	39.6	32.0	52.5
Central													
Average	22.9	28.5	39.6	51.0	62.0	71.4	74.9	72.7	65.4	53.6	40.2	28.3	50.9
2001	24.2	28.9	36.2	56.9	64.6	69.6	75.9	74.3	63.8	53.1	49.7	34.6	52.7
2002	32.9	33.3	36.2	52.3	58.4	73.7	77.6	73.9	68.3	50.9	38.8	31.0	52.3
East													
Average	23.0	28.4	39.3	50.2	61.6	71.0	74.3	72.0	65.0	53.1	40.4	28.6	50.6
2001	24.0	29.3	35.3	56.0	64.2	68.9	74.5	73.4	63.1	52.7	48.7	34.2	52.0
2002	32.4	32.7	34.8	51.2	57.1	72.7	76.8	72.9	68.9	51.1	38.7	30.7	51.7
West Southwest													
Average	25.9	31.4	42.0	53.0	63.4	72.4	76.3	74.0	66.6	55.2	42.5	30.9	52.8
2001	26.3	31.7	37.7	59.2	65.8	70.4	76.9	75.3	65.5	54.4	50.6	36.7	54.2
2002	34.1	35.7	38.0	54.7	59.9	74.6	78.4	75.3	69.8	52.3	41.1	33.2	53.9
East Southeast													
Average	26.7	32.0	42.5	53.1	63.5	72.7	76.3	74.1	66.9	55.5	43.1	31.9	53.2
2001	27.2	34.8	38.6	59.7	66.1	71.1	76.4	76.0	66.1	55.1	50.4	37.5	54.9
2002	35.1	35.8	39.4	55.8	60.4	75.0	79.2	76.7	71.1	53.7	41.1	32.9	54.7
Southwest													
Average	30.3	35.7	45.5	55.6	65.2	73.9	78.0	75.9	68.4	57.2	45.5	34.7	55.5
2001	29.9	37.4	40.9	61.4	67.3	72.4	77.9	77.4	67.4	57.0	51.6	40.1	56.7
2002	37.1	38.4	42.3	58.6	63.2	76.2	80.6	77.9	72.8	55.9	43.9	35.3	56.9
Southeast													
Average	30.8	36.0	45.6	55.5	65.0	73.7	77.7	75.8	68.5	57.1	45.9	35.2	55.6
2001	30.5	38.9	41.1	61.4	67.1	72.1	78.1	77.5	67.5	56.9	51.3	40.3	56.9
2002	37.6	38.5	43.4	59.0	63.5	76.5	80.8	79.2	73.2	56.5	44.0	35.6	57.3
Illinois													
Average	24.7	29.3	41.0	49.6	63.0	72.1	75.8	73.6	66.8	55.2	42.8	29.9	52.1
2001	25.5	30.7	36.7	57.2	64.4	69.5	75.8	74.4	64.0	53.4	49.8	36.2	53.1
2002	33.5	34.3	37.1	53.4	58.9	73.8	78.1	74.8	69.6	52.1	40.0	31.9	53.1

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Precipitation (in.) Departure
2002



Temperature (°F) Departure
2002

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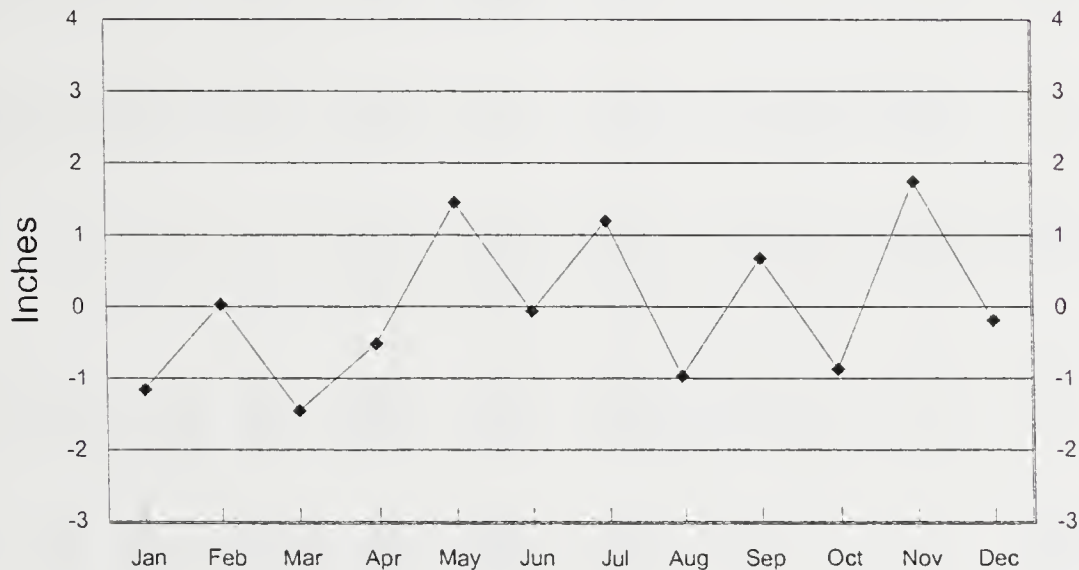
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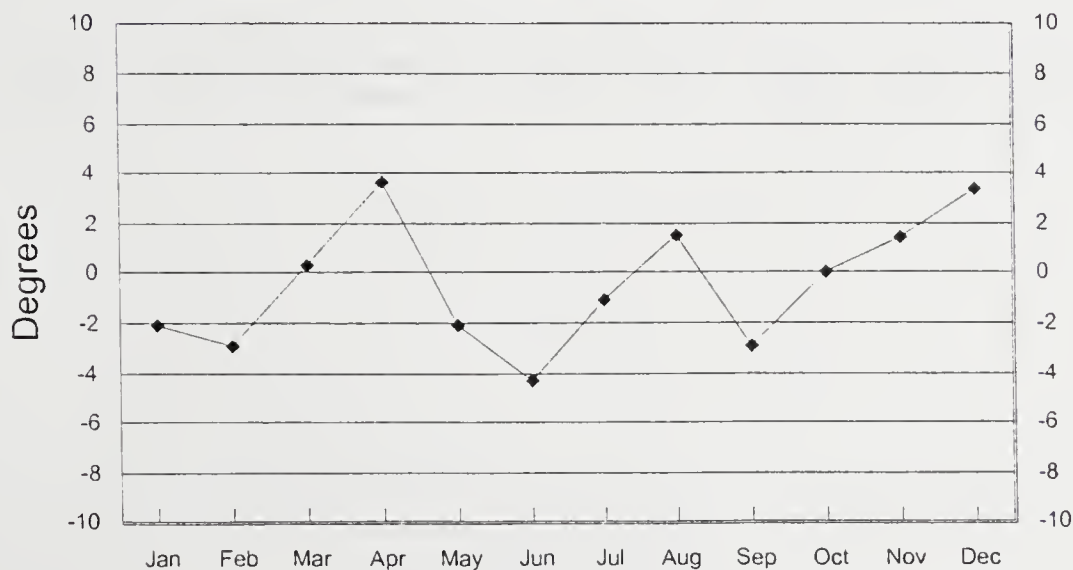
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ANNUAL WEATHER SUMMARY FOR ILLINOIS - 2003

Precipitation Departures from Normal Illinois - 2003



Temperature Departures from Normal Illinois - 2003



Precipitation, Illinois totals by districts, months, average (1971-2000) and 2002-2003

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
Northwest													
Average	1.44	1.42	2.55	3.58	4.07	4.54	3.71	4.37	3.43	2.73	2.73	2.06	36.63
2002	1.03	1.50	1.78	4.42	4.50	6.00	3.15	5.82	1.05	3.19	0.39	0.95	33.78
2003	0.37	0.45	1.35	2.69	5.85	2.77	4.88	1.11	3.22	1.46	4.57	3.04	31.76
Northeast													
Average	1.75	1.53	2.56	3.67	3.89	4.17	3.88	4.21	3.39	2.66	3.02	2.35	37.08
2002	1.43	1.15	2.24	4.14	4.66	3.69	1.77	5.46	2.17	2.01	1.01	1.09	30.82
2003	0.40	0.37	1.71	2.29	6.58	2.00	6.38	2.56	2.65	1.93	4.97	2.33	34.17
West													
Average	1.44	1.70	2.90	3.68	4.59	3.93	4.19	3.64	3.68	2.90	3.00	2.29	37.94
2002	2.02	1.25	1.40	5.06	8.16	4.84	4.03	5.35	0.57	2.82	0.33	1.21	37.04
2003	0.51	1.00	1.61	3.40	4.43	3.91	4.90	2.37	5.16	1.88	3.73	3.75	36.65
Central													
Average	1.70	1.70	3.03	3.54	4.29	3.95	3.99	3.62	3.16	2.80	3.05	2.56	37.39
2002	2.64	1.54	2.20	4.89	6.19	4.20	3.61	5.47	1.22	2.09	0.71	1.75	36.51
2003	0.57	1.14	2.00	3.02	4.21	3.78	6.36	2.92	3.53	1.84	4.25	2.35	35.97
East													
Average	1.77	1.74	2.99	3.57	4.23	4.22	4.26	3.84	3.04	2.82	3.18	2.60	38.26
2002	2.66	2.54	2.93	4.33	5.67	3.25	3.56	6.25	1.55	2.15	1.26	1.53	37.68
2003	0.64	1.30	1.52	2.61	5.19	2.96	8.25	3.92	4.34	1.94	4.53	2.57	39.77
West Southwest													
Average	1.82	1.96	3.34	3.83	4.26	3.89	3.64	3.15	3.10	2.75	3.49	2.75	37.98
2002	2.72	1.70	3.05	5.82	9.81	4.51	2.35	4.92	2.00	3.66	0.76	2.11	43.41
2003	0.58	1.88	2.55	3.63	4.74	5.34	4.35	2.08	5.74	2.18	5.18	2.61	40.86
East Southeast													
Average	2.34	2.32	3.56	3.94	4.32	4.08	4.22	3.49	3.10	2.98	3.89	3.10	41.34
2002	2.18	2.33	4.82	5.92	9.99	3.20	1.75	1.81	2.51	3.48	1.55	2.67	42.21
2003	0.59	2.91	2.30	3.25	6.33	3.28	4.23	3.36	5.77	2.30	5.35	2.90	42.57
Southwest													
Average	2.73	2.80	4.06	4.22	4.53	4.13	3.80	3.44	3.17	3.17	4.31	3.52	43.88
2002	3.28	2.34	6.03	5.17	9.10	2.50	1.89	2.90	3.17	4.29	1.99	4.82	47.48
2003	1.24	4.03	2.32	5.12	6.47	5.95	2.46	3.46	3.56	2.14	5.98	2.64	45.37
Southeast													
Average	3.07	3.07	4.38	4.65	4.87	4.12	3.87	3.34	3.10	3.11	4.35	3.82	45.75
2002	3.34	2.64	6.86	6.00	8.34	2.67	1.45	1.34	5.13	4.42	2.01	5.33	49.53
2003	1.50	5.56	2.42	4.72	7.31	4.58	1.80	3.68	4.16	1.87	5.39	2.35	45.34
Illinois													
Average	1.81	1.88	3.40	3.84	4.16	3.84	3.73	3.68	3.57	2.80	3.12	2.92	38.75
2002	2.30	1.85	3.33	5.06	7.34	3.97	2.63	4.49	2.00	3.09	1.06	2.29	39.41
2003	0.67	1.92	1.97	3.34	5.63	3.80	4.93	2.74	4.25	1.95	4.87	2.73	38.80

Sources: Averages and previous year come from Climatological Data Annual Summary, NOAA. Current year and maps come from the Midwestern Climate Center's web site (<http://mcc.sws.uiuc.edu>, MICIS).

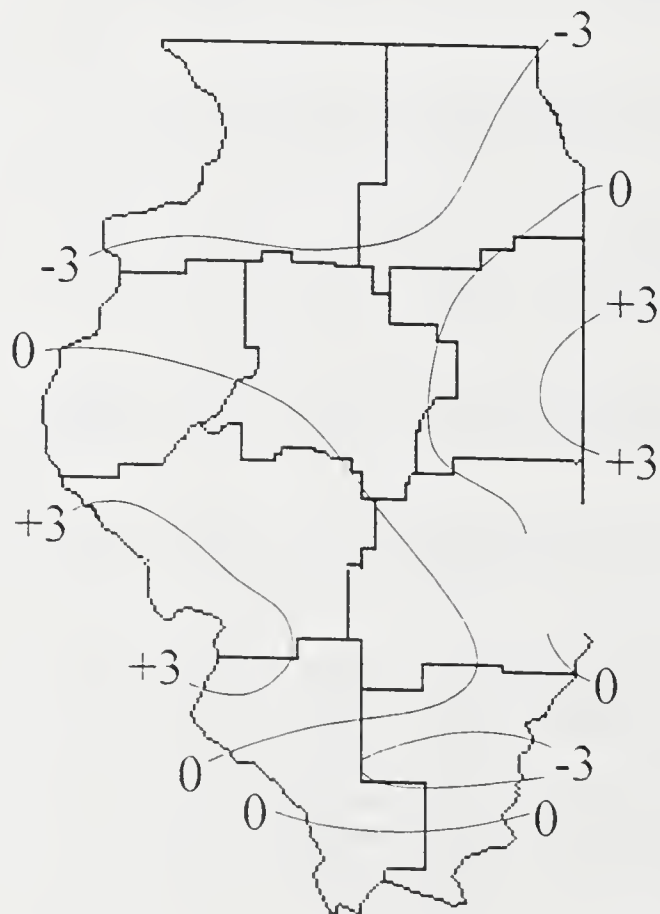
Temperatures, Illinois averages by districts, months, average (1971-2000) and 2002-2003

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.5	25.3	36.7	48.6	60.1	69.4	73.3	71.0	63.1	51.2	37.8	25.1	48.4
2002	30.1	30.2	32.8	49.6	56.5	71.9	76.5	72.6	67.3	49.0	35.9	29.1	50.1
2003	20.1	22.3	36.1	50.1	58.2	66.9	72.8	73.9	62.3	52.3	39.4	29.7	48.7
Northeast													
Average	21.2	26.6	37.0	48.1	59.3	68.9	73.4	71.4	63.7	51.9	39.1	26.8	49.0
2002	30.7	31.4	33.3	49.6	55.0	71.3	76.9	73.4	67.6	50.1	37.0	28.8	50.4
2003	20.2	23.3	37.0	48.8	57.0	65.8	72.3	73.6	63.1	52.5	41.1	30.7	48.8
West													
Average	23.1	29.0	40.1	51.6	62.3	71.5	75.7	73.3	65.5	54.0	40.4	28.2	51.2
2002	32.5	32.9	35.9	52.1	58.3	73.8	77.9	74.5	69.0	51.0	38.4	31.9	52.4
2003	21.6	25.1	39.8	52.7	61.0	68.6	74.6	75.6	63.3	55.4	42.6	32.4	51.1
Central													
Average	22.9	28.5	39.6	51.0	62.0	71.4	74.9	72.7	65.4	53.6	40.2	28.3	50.9
2002	32.9	33.1	36.2	52.6	58.7	74.0	77.9	74.3	68.6	51.4	38.6	31.1	52.5
2003	21.5	25.0	40.4	52.9	60.7	67.7	74.4	74.7	63.5	54.4	42.9	32.2	50.9
East													
Average	23.0	28.4	39.3	50.2	61.6	71.0	74.3	72.0	65.0	53.1	40.4	28.6	50.6
2002	32.3	32.3	34.7	51.4	57.4	73.0	77.0	73.3	67.9	51.1	38.2	29.9	51.5
2003	19.9	24.2	40.5	52.5	59.8	66.8	73.2	73.5	63.2	53.7	43.8	32.3	50.3
West Southwest													
Average	25.9	31.4	42.0	53.0	63.4	72.4	76.3	74.0	66.6	55.2	42.5	30.9	52.8
2002	33.9	35.3	37.9	54.9	60.2	74.9	78.6	75.7	69.2	52.6	40.1	33.0	53.9
2003	23.5	27.8	43.0	54.4	62.1	68.1	75.5	75.3	63.8	56.3	45.8	34.7	52.5
East Southeast													
Average	26.7	32.0	42.5	53.1	63.5	72.7	76.3	74.1	66.9	55.5	43.1	31.9	53.2
2002	34.9	35.4	39.3	56.0	60.7	75.3	79.5	77.1	71.4	54.2	41.2	32.8	54.8
2003	23.7	27.8	44.1	55.2	62.4	68.5	75.9	75.4	64.4	55.9	46.7	35.2	52.9
Southwest													
Average	30.3	35.7	45.5	55.6	65.2	73.9	78.0	75.9	68.4	57.2	45.5	34.7	55.5
2002	37.1	38.3	42.4	58.9	63.4	76.5	80.8	78.2	72.4	55.9	43.5	35.4	56.9
2003	27.6	32.3	46.7	57.2	64.5	69.9	77.6	78.1	66.4	59.0	48.7	37.2	55.4
Southeast													
Average	30.8	36.0	45.6	55.5	65.0	73.7	77.7	75.8	68.5	57.1	45.9	35.2	55.6
2002	37.4	38.1	43.3	59.2	63.7	76.7	81.0	79.5	73.8	56.6	43.5	35.9	57.4
2003	27.5	32.0	46.7	57.9	64.3	69.1	77.0	77.1	66.2	58.7	49.4	37.5	55.3
Illinois													
Average	24.7	29.3	41.0	49.6	63.0	72.1	75.8	73.6	66.8	55.2	42.8	29.9	52.1
2002	33.5	34.3	37.1	53.4	58.9	73.8	78.1	74.8	69.0	51.7	39.4	33.4	53.1
2003	22.6	26.4	41.3	53.3	60.9	67.8	74.7	75.1	63.9	55.2	44.2	33.3	51.6

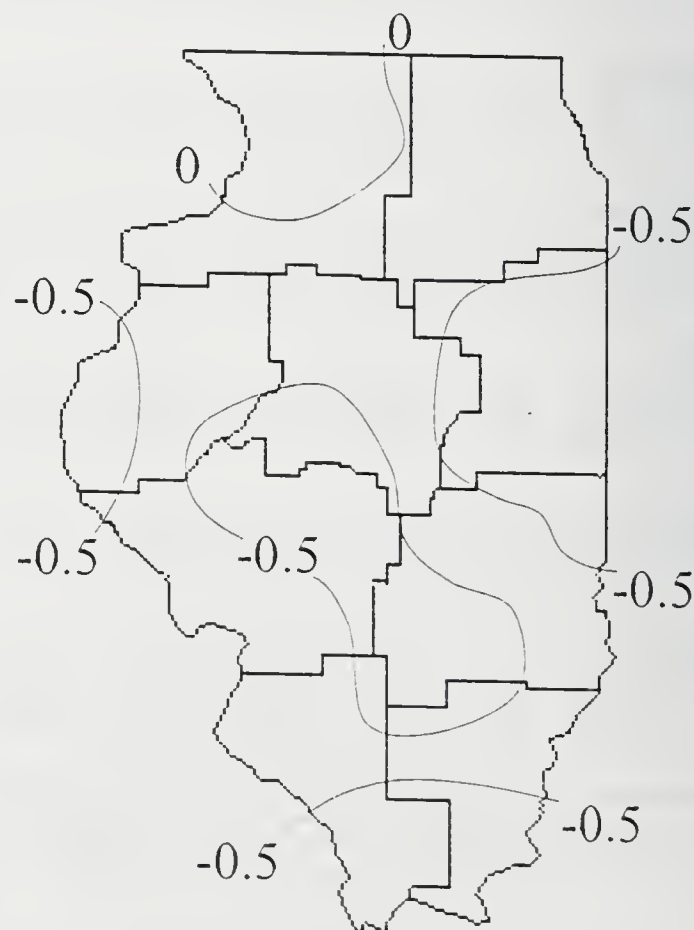
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Precipitation (in.) Departure
2003



Temperature (°F) Departure
2003

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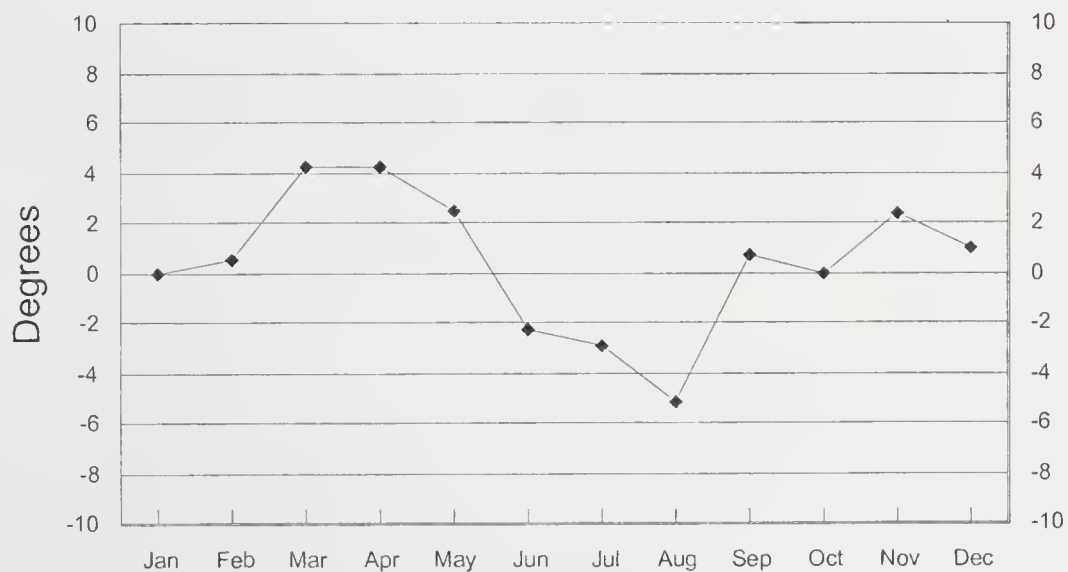
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Precipitation Departures from Normal Illinois - 2004



Temperature Departures from Normal Illinois - 2004



Precipitation, Illinois totals by districts, months, average (1971-2000) and 2003-2004

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Inches													
Northwest													
Average	1.44	1.42	2.55	3.58	4.07	4.54	3.71	4.37	3.43	2.73	2.73	2.06	36.63
2003	0.37	0.45	1.35	2.69	5.85	2.77	4.88	1.11	3.22	1.46	4.57	3.04	31.76
2004	0.82	0.97	4.21	1.83	7.50	3.24	2.61	4.66	0.95	4.31	3.15	1.29	35.54
North-east													
Average	1.75	1.53	2.56	3.67	3.89	4.17	3.88	4.21	3.39	2.66	3.02	2.35	37.08
2003	0.40	0.37	1.71	2.29	6.58	2.00	6.38	2.56	2.65	1.93	4.97	2.33	34.17
2004	0.90	0.80	4.25	1.64	7.40	3.95	2.60	5.34	0.70	2.81	3.57	1.67	35.63
West													
Average	1.44	1.70	2.90	3.68	4.59	3.93	4.19	3.64	3.68	2.90	3.00	2.29	37.94
2003	0.51	1.00	1.61	3.40	4.43	3.91	4.90	2.37	5.16	1.88	3.73	3.75	36.65
2004	0.65	0.60	3.22	1.75	5.00	2.90	3.75	7.27	2.09	5.82	3.93	1.74	38.72
Central													
Average	1.70	1.70	3.03	3.54	4.29	3.95	3.99	3.62	3.16	2.80	3.05	2.56	37.39
2003	0.57	1.14	2.00	3.02	4.21	3.78	6.36	2.92	3.53	1.84	4.25	2.35	35.97
2004	1.05	0.48	3.81	1.90	6.45	3.11	3.25	4.66	1.02	4.81	4.43	1.84	36.81
East													
Average	1.77	1.74	2.99	3.57	4.23	4.22	4.26	3.84	3.04	2.82	3.18	2.60	38.26
2003	0.64	1.30	1.52	2.61	5.19	2.96	8.25	3.92	4.34	1.94	4.53	2.57	39.77
2004	1.28	0.55	5.22	1.69	5.78	4.40	4.02	6.51	0.66	3.72	4.73	2.31	40.87
West Southwest													
Average	1.82	1.96	3.34	3.83	4.26	3.89	3.64	3.15	3.10	2.75	3.49	2.75	37.98
2003	0.58	1.88	2.55	3.63	4.74	5.34	4.35	2.08	5.74	2.18	5.18	2.61	40.86
2004	1.49	0.67	4.15	2.11	6.48	2.71	4.68	4.04	0.46	5.43	5.12	2.08	40.42
East Southeast													
Average	2.34	2.32	3.56	3.94	4.32	4.08	4.22	3.49	3.10	2.98	3.89	3.10	41.34
2003	0.59	2.91	2.30	3.25	6.33	3.28	4.23	3.36	5.77	2.30	5.35	2.90	42.57
2004	4.08	0.67	4.71	1.34	7.59	2.23	5.24	4.76	0.47	6.18	5.59	2.30	45.16
Southwest													
Average	1.73	2.80	4.06	4.22	4.53	4.13	3.80	3.44	3.17	3.17	4.31	3.52	43.88
2003	1.24	4.03	2.32	5.12	6.47	5.95	2.46	3.46	3.56	2.14	5.98	2.64	45.37
2004	3.07	1.16	4.86	2.24	7.81	2.89	5.50	4.36	0.34	5.28	6.72	2.01	46.24
Southeast													
Average	3.07	3.07	4.38	4.65	4.87	4.12	3.87	3.34	3.10	3.11	4.35	3.82	45.75
2003	1.50	5.56	2.42	4.72	7.31	4.58	1.80	3.68	4.16	1.87	5.39	2.35	45.34
2004	3.84	1.19	4.01	2.43	7.93	2.87	5.35	6.09	0.17	5.57	6.28	2.41	48.14
Illinois													
Average	1.81	1.88	3.40	3.84	4.16	3.84	3.73	3.68	3.57	2.80	3.12	2.92	38.75
2003	0.67	1.92	1.97	3.34	5.63	3.80	4.93	2.65	4.28	1.99	4.43	2.58	38.19
2004	1.96	0.78	4.27	1.87	6.88	3.14	4.04	5.21	0.76	4.85	4.75	1.94	40.45

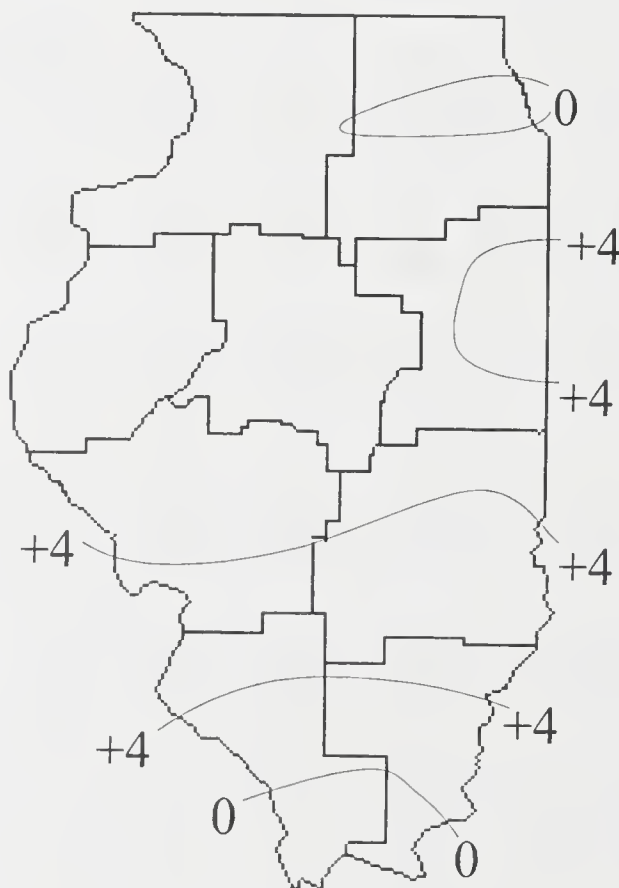
Source: Averages and previous year come from Climatological Data Annual Summary, NOAA. Current year and maps come from the Midwestern Climate Center's web site (<http://ccc.sws.uiuc.edu>, MICIS).

Temperatures, Illinois averages by districts, months, average (1971-2000) and 2003-2004

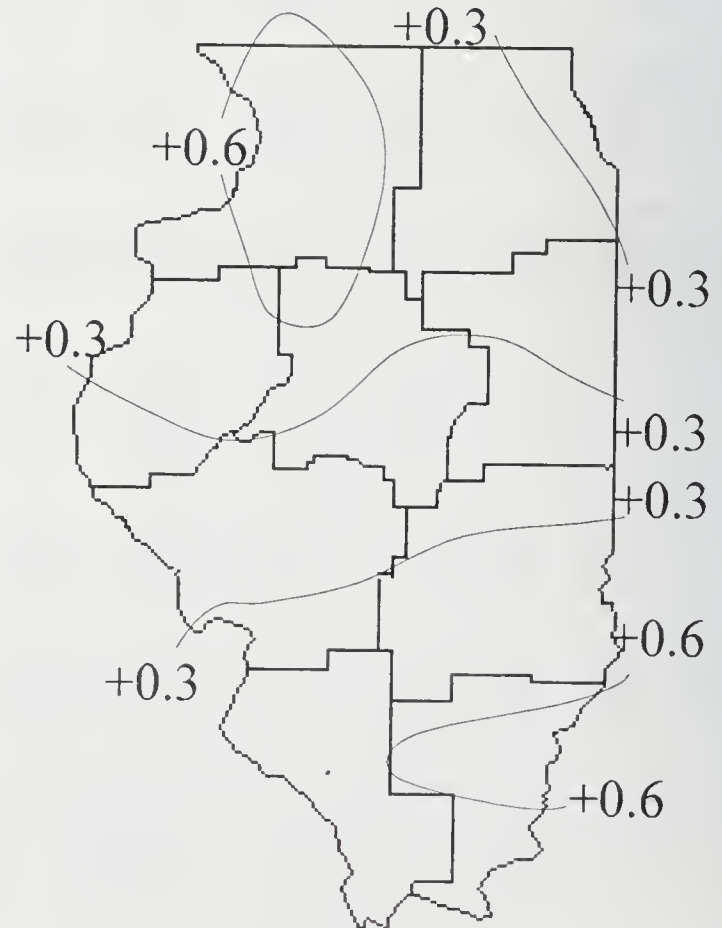
		Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.7	25.3	36.7	48.6	60.1	69.4	73.3	71.0	63.1	51.2	37.8	25.1	48.4
2003	20.1	22.3	36.1	50.1	58.2	66.9	72.8	73.9	62.3	52.3	39.4	29.7	48.7
2004	19.7	26.3	41.8	51.6	62.1	68.6	71.2	66.5	65.8	52.3	42.0	26.9	49.6
Northeast													
Average	21.2	26.6	37.0	48.1	59.3	68.9	73.4	71.4	63.7	51.9	39.1	26.8	49.0
2003	20.2	23.3	37.0	48.8	57.0	65.8	72.3	73.6	63.1	52.5	41.1	30.7	48.8
2004	19.8	26.9	41.7	50.7	60.5	67.2	71.0	66.5	66.4	52.8	42.6	27.4	49.5
West													
Average	23.1	29.0	40.1	51.6	62.3	71.5	75.7	73.3	65.5	54.0	40.4	28.2	51.2
2003	21.6	25.1	39.8	52.7	61.0	68.6	74.6	75.6	63.3	55.4	42.6	32.4	51.1
2004	23.6	28.6	44.7	54.1	65.1	69.4	72.8	68.3	67.4	54.6	44.2	31.0	52.0
Central													
Average	22.9	28.5	39.6	51.0	62.0	71.4	74.9	72.7	65.4	53.6	40.2	28.3	50.9
2003	21.5	25.0	40.4	52.9	60.7	67.7	74.4	74.7	63.5	54.4	42.9	32.2	50.9
2004	23.2	28.6	44.3	53.5	65.1	69.5	72.5	67.5	67.3	53.8	43.7	30.4	51.6
East													
Average	23.0	28.4	39.3	50.2	61.6	71.0	74.3	72.0	65.0	53.1	40.4	28.6	50.6
2003	19.9	24.2	40.5	52.5	59.8	66.8	73.2	73.5	63.2	53.7	43.8	32.3	50.3
2004	22.7	28.2	43.7	52.6	64.9	68.9	71.7	67.2	66.9	53.5	43.7	30.2	51.2
West Southwest													
Average	25.9	31.4	42.0	53.0	63.4	72.4	76.3	74.0	66.6	55.2	42.5	30.9	52.8
2003	23.5	27.8	43.0	54.4	62.1	68.1	75.5	75.3	63.8	56.3	45.8	34.7	52.5
2004	26.2	30.5	46.2	55.2	66.9	70.0	73.3	68.7	67.5	56.2	45.9	32.7	53.3
East Southeast													
Average	26.7	32.0	42.5	53.1	63.5	72.7	76.3	74.1	66.9	55.5	43.1	31.9	53.2
2003	23.7	27.8	44.1	55.2	62.4	68.5	75.9	75.4	64.4	55.9	46.7	35.2	52.9
2004	27.1	32.0	46.9	55.3	67.9	71.1	73.7	69.8	68.3	56.6	47.3	32.3	54.0
Southwest													
Average	30.3	35.7	45.5	55.6	65.2	73.9	78.0	75.9	68.4	57.2	45.5	34.7	55.5
2003	27.6	32.3	46.7	57.2	64.5	69.9	77.6	78.1	66.4	59.0	48.7	37.2	55.4
2004	31.4	34.9	50.2	56.9	69.3	72.6	75.9	71.8	69.0	59.2	49.1	34.6	56.2
Southeast													
Average	30.8	36.0	45.6	55.5	65.0	73.7	77.7	75.8	68.5	57.1	45.9	35.2	55.6
2003	27.5	32.0	46.7	57.9	64.3	69.1	77.0	77.1	66.2	58.7	49.4	37.5	55.3
2004	31.5	35.3	49.9	56.9	69.5	72.9	75.1	71.7	69.6	59.8	49.9	34.2	56.4
Illinois													
Average	24.7	29.3	41.0	49.6	63.0	72.1	75.8	73.6	66.8	55.2	42.8	29.9	52.1
2003	22.6	26.4	41.3	53.3	60.9	67.8	74.7	75.1	63.8	54.0	44.7	34.7	51.6
2004	24.7	29.9	45.3	53.9	65.5	69.9	72.9	68.5	67.5	55.2	45.2	30.9	52.5

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Precipitation (in.) Departure
2004



Temperature (°F) Departure
2004

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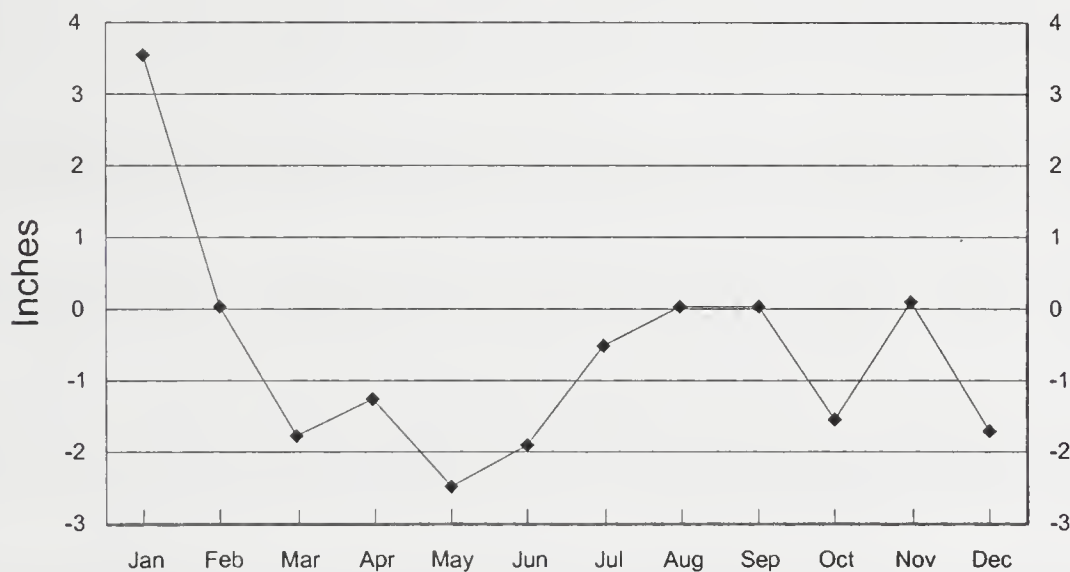
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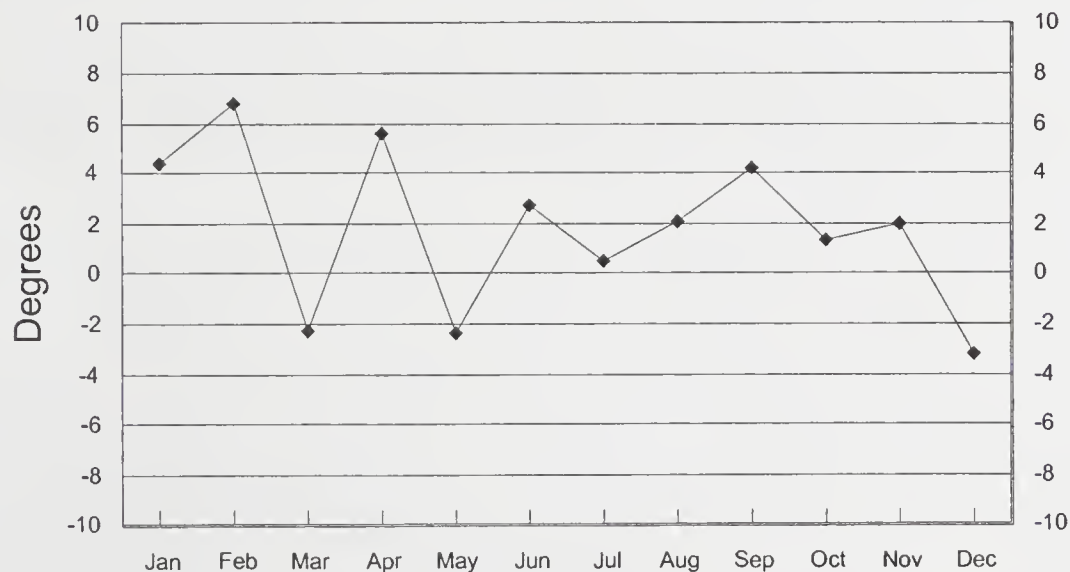
VOL. 27, NO. 2

ANNUAL WEATHER SUMMARY FOR ILLINOIS - 2005

Precipitation Departures from Normal Illinois - 2005

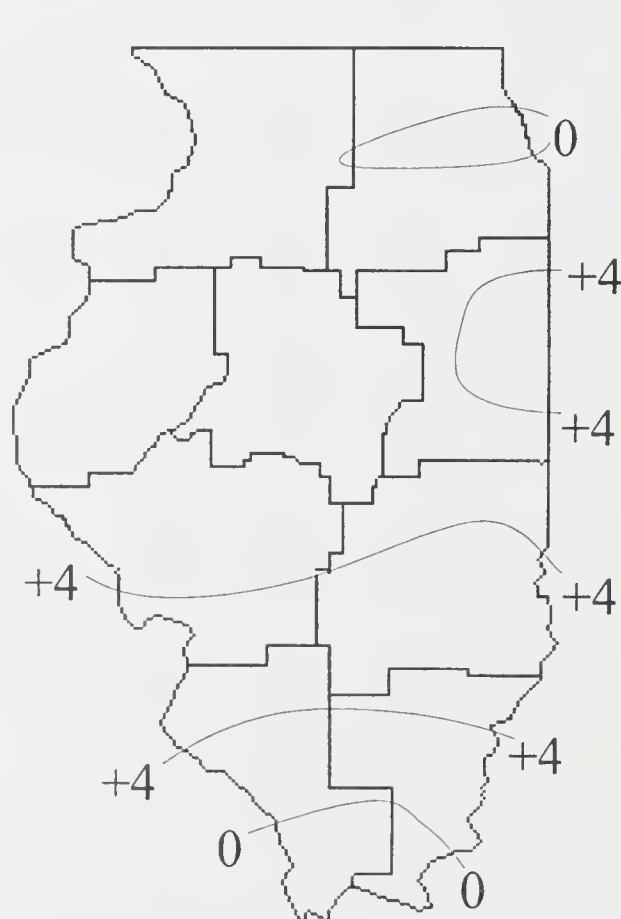


Temperature Departures from Normal Illinois - 2005

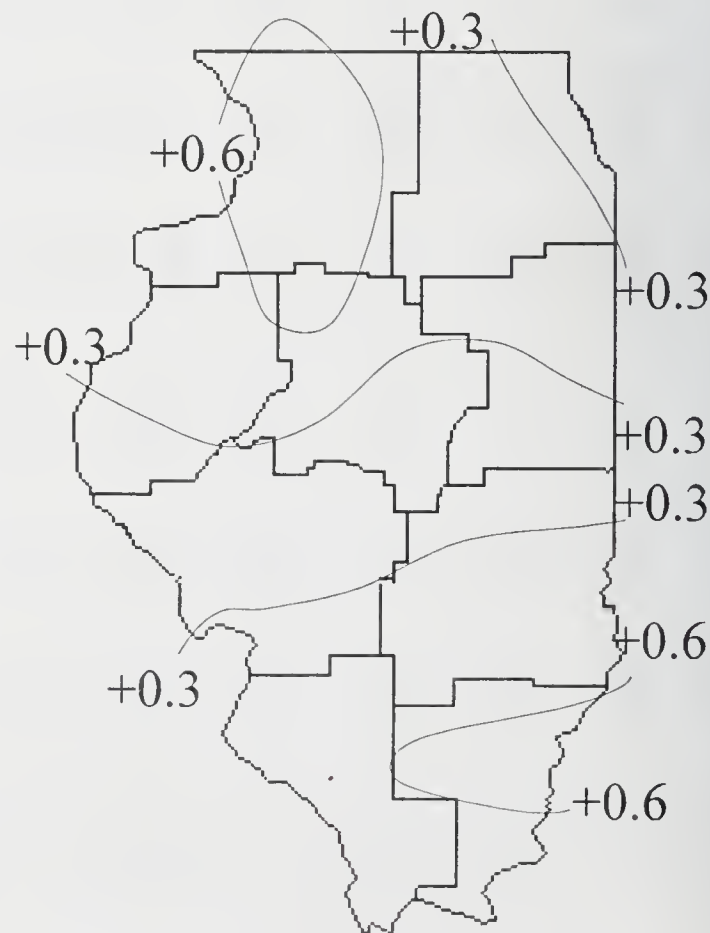


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2004



Temperature (°F) Departure
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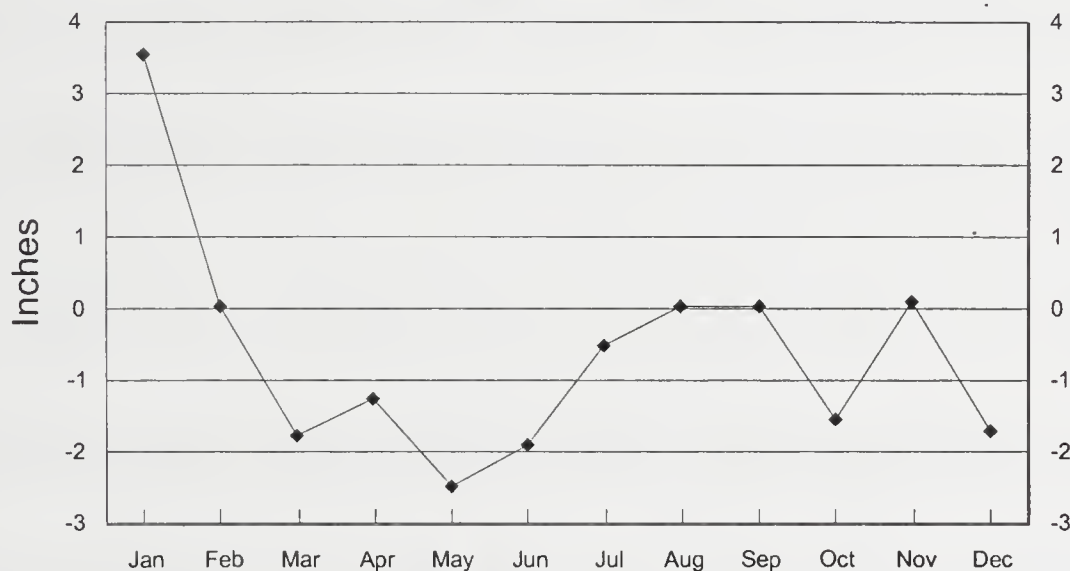
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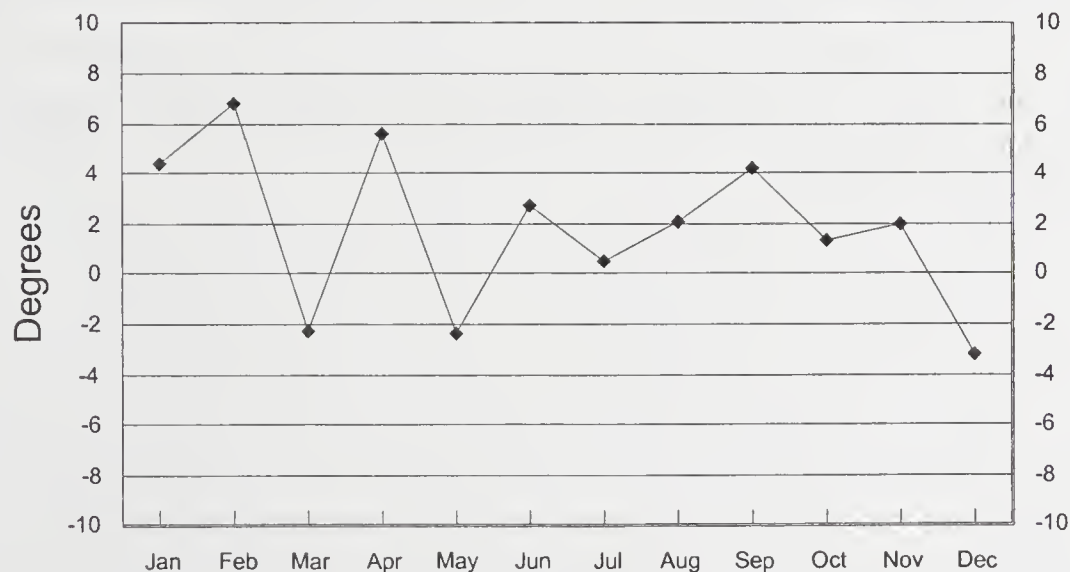
VOL. 27, NO. 2

ANNUAL WEATHER SUMMARY FOR ILLINOIS - 2005

Precipitation Departures from Normal Illinois - 2005



Temperature Departures from Normal Illinois - 2005



Precipitation, Illinois totals by districts, months, average (1971-2000) and 2004-2005

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
Northwest													
Average	1.44	1.42	2.55	3.58	4.07	4.54	3.71	4.37	3.43	2.73	2.73	2.06	36.63
2004	0.82	0.97	4.21	1.83	7.50	3.24	2.61	4.66	0.95	4.36	2.98	1.04	35.17
2005	2.96	1.39	1.07	1.60	2.06	1.80	2.03	3.74	2.86	0.68	2.49	0.90	23.58
Northeast													
Average	1.75	1.53	2.56	3.67	3.89	4.17	3.88	4.21	3.39	2.66	3.02	2.35	37.08
2004	0.90	0.80	4.26	1.64	7.40	3.95	2.60	5.34	0.70	2.85	3.65	1.65	35.74
2005	4.29	1.96	1.18	2.01	2.23	1.41	3.07	2.94	2.32	0.63	2.35	1.24	25.63
West													
Average	1.44	1.70	2.90	3.68	4.59	3.93	4.19	3.64	3.68	2.90	3.00	2.29	37.94
2004	0.70	0.60	3.22	1.75	5.00	2.90	3.75	7.27	2.09	5.89	3.83	1.46	38.46
2005	3.55	1.62	1.08	3.47	1.70	1.96	1.79	3.23	3.59	1.82	2.12	0.82	26.75
Central													
Average	1.70	1.70	3.03	3.54	4.29	3.95	3.99	3.62	3.16	2.80	3.05	2.56	37.39
2004	1.05	0.48	3.81	1.90	6.45	3.11	3.25	4.66	1.02	4.97	4.72	1.64	37.06
2005	5.31	1.77	1.23	2.05	1.12	1.42	2.57	3.35	3.44	1.34	3.09	1.30	27.99
East													
Average	1.77	1.74	2.99	3.57	4.23	4.22	4.26	3.84	3.04	2.82	3.18	2.60	38.26
2004	1.37	0.55	5.22	1.69	5.78	4.40	4.02	6.51	0.66	3.65	4.70	2.07	40.62
2005	6.82	2.02	1.39	2.91	1.28	2.30	5.53	3.19	4.10	1.57	2.74	1.35	35.20
West Southwest													
Average	1.82	1.96	3.34	3.83	4.26	3.89	3.64	3.15	3.10	2.75	3.49	2.75	37.98
2004	2.49	0.67	4.15	2.11	6.19	2.71	4.68	4.04	0.46	5.19	5.28	1.94	39.91
2005	6.61	1.95	1.43	2.14	1.23	2.09	2.27	3.54	4.01	1.77	3.15	1.30	31.49
East Southeast													
Average	2.34	2.32	3.56	3.94	4.32	4.08	4.22	3.49	3.10	2.98	3.89	3.10	41.34
2004	3.98	0.67	4.71	1.34	7.59	2.27	5.23	4.76	0.47	6.19	5.56	2.09	44.86
2005	7.79	2.09	1.75	2.81	1.87	2.06	3.38	4.00	4.03	1.44	3.65	1.65	36.52
Southwest													
Average	2.73	2.80	4.06	4.22	4.53	4.13	3.80	3.44	3.17	3.17	4.31	3.52	43.88
2004	3.07	1.16	4.80	2.21	7.81	2.89	5.50	4.36	0.34	5.22	6.62	2.60	46.58
2005	6.22	2.25	3.07	3.52	2.05	1.77	5.68	4.11	5.19	0.97	5.06	1.00	40.89
Southeast													
Average	3.07	3.07	4.38	4.65	4.87	4.12	3.87	3.34	3.10	3.11	4.35	3.82	45.75
2004	3.84	1.19	4.01	2.43	7.93	2.87	5.35	6.09	0.17	6.06	6.35	2.64	48.93
2005	5.05	2.65	3.34	3.57	1.79	2.97	3.47	5.97	3.22	1.11	5.12	1.51	39.77
Illinois													
Average	1.81	1.88	3.40	3.84	4.16	3.84	3.73	3.68	3.57	2.80	3.12	2.92	38.75
2004	1.96	0.78	4.27	1.87	6.88	3.14	4.04	5.21	0.76	4.88	4.77	1.86	40.42
2005	5.39	1.94	1.65	2.59	1.70	1.94	3.22	3.72	3.61	1.26	3.23	1.23	31.48

Sources: Averages and previous year come from Climatological Data Annual Summary, NOAA. Current year and maps come from the Midwestern Climate Center's web site (<http://mcc.sws.uiuc.edu>, MICIS).

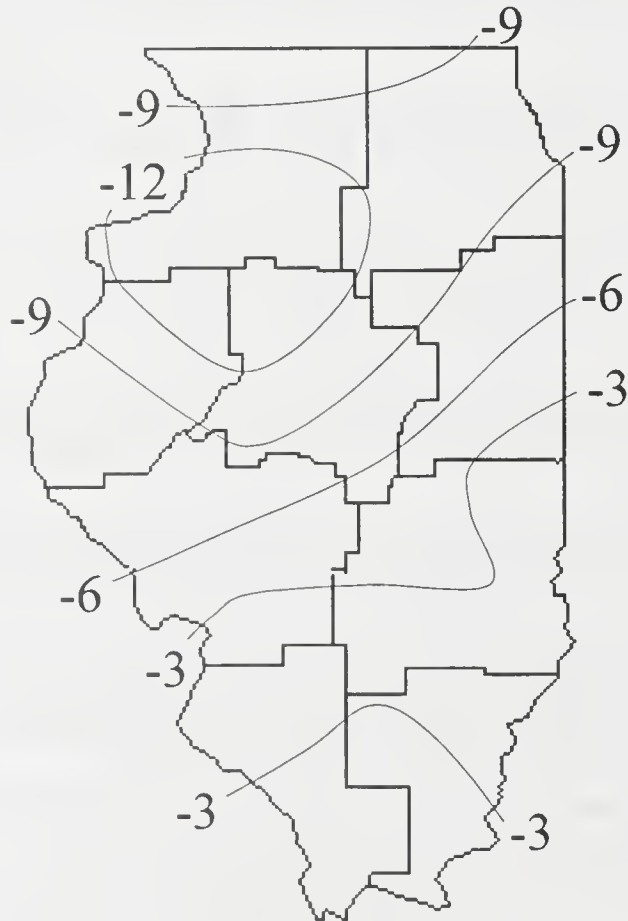
Temperatures, Illinois averages by districts, months, average (1971-2000) and 2004-2005

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.5	25.3	36.7	48.6	60.1	69.4	73.3	71.0	63.1	51.2	37.8	25.1	48.4
2004	19.5	25.9	41.7	51.8	62.4	68.9	71.4	66.9	66.2	52.4	42.3	27.5	49.7
2005	23.1	32.6	35.9	53.7	57.6	74.2	74.8	73.3	69.3	54.7	41.7	21.3	51.0
Northeast													
Average	21.2	26.6	37.0	48.1	59.3	68.9	73.4	71.4	63.7	51.9	39.1	26.8	49.0
2004	19.6	26.4	41.4	50.8	60.7	67.5	71.2	66.9	66.8	53.2	42.9	27.6	49.6
2005	24.7	32.4	34.4	52.2	57.0	73.7	74.7	73.3	69.4	55.1	42.4	22.7	51.0
West													
Average	23.1	29.0	40.1	51.6	62.3	71.5	75.7	73.3	65.5	54.0	40.4	28.2	51.2
2004	23.4	28.1	44.6	54.3	65.4	69.7	73.0	68.7	67.9	54.9	44.2	30.6	52.1
2005	27.0	35.7	39.0	55.6	61.1	75.2	77.0	75.9	71.8	57.2	44.4	25.5	53.8
Central													
Average	22.9	28.5	39.6	51.0	62.0	71.4	74.9	72.7	65.4	53.6	40.2	28.3	50.9
2004	23.1	28.5	44.4	53.9	65.5	69.8	72.8	68.0	67.8	54.4	44.3	30.4	51.9
2005	27.3	35.1	37.6	55.5	60.7	75.4	76.3	75.6	70.9	55.8	43.9	25.4	53.3
East													
Average	23.0	28.4	39.3	50.2	61.6	71.0	74.3	72.0	65.0	53.1	40.4	28.6	50.6
2004	22.5	27.8	43.6	52.8	65.2	69.2	71.9	67.6	67.4	53.6	44.0	29.6	51.3
2005	27.1	33.7	36.4	53.8	59.8	74.1	75.1	74.8	70.2	55.2	43.7	25.2	52.4
West Southwest													
Average	25.9	31.4	42.0	53.0	63.4	72.4	76.3	74.0	66.6	55.2	42.5	30.9	52.8
2004	25.9	30.2	46.1	55.4	67.2	70.3	73.5	69.1	67.9	56.0	46.0	32.5	53.3
2005	29.6	37.6	40.4	56.1	62.2	75.1	76.9	76.4	71.2	56.6	45.8	28.5	54.7
East Southeast													
Average	26.7	32.0	42.5	53.1	63.5	72.7	76.3	74.1	66.9	55.5	43.1	31.9	53.2
2004	26.8	31.6	46.8	55.6	68.2	71.3	74.0	70.2	68.8	56.4	47.6	32.2	54.1
2005	32.2	37.6	40.1	56.1	61.9	74.9	77.0	76.8	71.7	57.4	46.1	28.7	55.0
Southwest													
Average	30.3	35.7	45.5	55.6	65.2	73.9	78.0	75.9	68.4	57.2	45.5	34.7	55.5
2004	31.5	34.8	50.2	57.1	69.6	72.8	76.0	72.1	69.4	59.7	49.7	34.5	56.5
2005	36.7	41.2	43.3	57.6	63.6	75.6	77.9	78.5	72.5	59.0	48.6	32.8	57.3
Southeast													
Average	30.8	36.0	45.6	55.5	65.0	73.7	77.7	75.8	68.5	57.1	45.9	35.2	55.6
2004	31.1	34.9	49.8	57.1	69.7	73.1	75.3	72.0	70.0	59.5	50.2	34.1	56.4
2005	37.8	40.7	42.8	57.4	62.9	75.2	77.5	78.5	72.6	59.2	48.8	33.1	57.2
Illinois													
Average	24.7	29.3	41.0	49.6	63.0	72.1	75.8	73.6	66.8	55.2	42.8	29.9	52.1
2004	24.7	29.9	45.3	53.9	65.5	69.9	72.9	68.5	67.5	54.8	45.5	30.9	52.4
2005	29.1	36.1	38.7	55.2	60.6	74.8	76.3	75.7	71.0	56.5	44.8	26.7	53.8

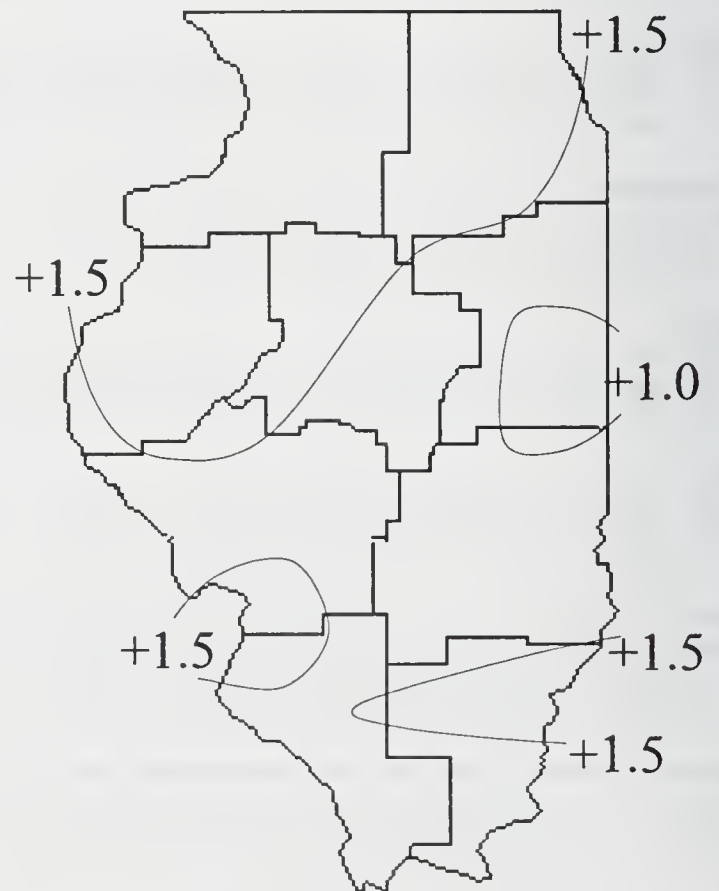
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Illinois Weather & Crops
January 20, 2006

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Precipitation (in.) Departure
2005



Temperature (°F) Departure
2005

ILLINOIS WEATHER & CROPS



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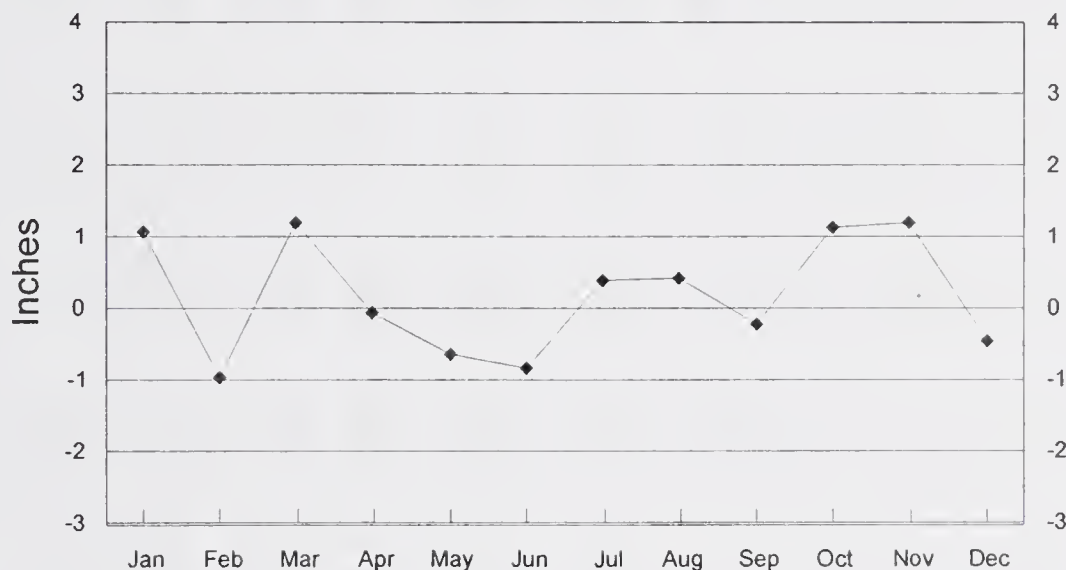
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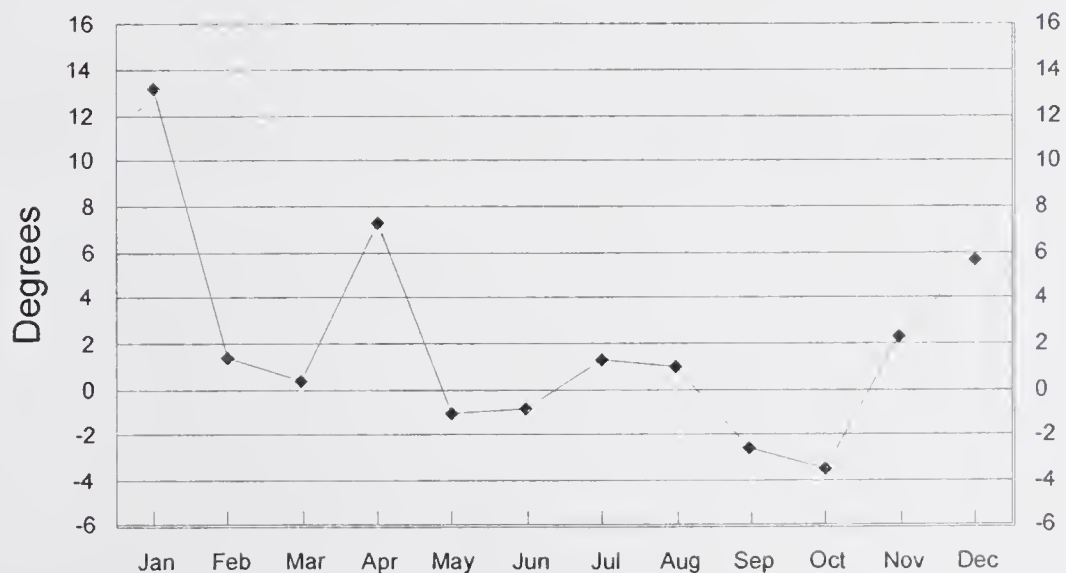
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ANNUAL WEATHER SUMMARY FOR ILLINOIS - 2006

Precipitation Departures from Normal Illinois - 2006



Temperature Departures from Normal Illinois - 2006



Precipitation, Illinois totals by districts, months, average (1971-2000) and 2005-2006

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
Northwest													
Average	1.44	1.42	2.55	3.58	4.07	4.54	3.71	4.37	3.43	2.73	2.73	2.06	36.63
2005	2.96	1.39	1.07	1.60	2.06	1.80	2.03	3.53	2.49	0.61	2.58	1.04	23.16
2006	2.71	0.70	3.88	4.60	2.74	2.95	4.01	4.45	2.84	3.06	3.54	1.76	37.24
Northeast													
Average	1.75	1.53	2.56	3.67	3.89	4.17	3.88	4.21	3.39	2.66	3.02	2.35	37.08
2005	4.29	1.96	1.18	2.01	2.23	1.41	3.07	2.79	2.49	0.72	2.53	1.18	25.86
2006	2.81	1.29	3.23	3.72	3.89	3.54	3.79	4.73	4.92	4.58	3.98	2.29	42.77
West													
Average	1.44	1.70	2.90	3.68	4.59	3.93	4.19	3.64	3.68	2.90	3.00	2.29	37.94
2005	3.55	1.62	1.08	3.47	1.70	1.96	1.79	3.62	4.13	1.75	1.87	0.85	27.39
2006	2.74	0.32	3.94	3.93	1.87	2.77	2.84	3.26	2.55	2.15	4.33	1.45	32.15
Central													
Average	1.70	1.70	3.03	3.54	4.29	3.95	3.99	3.62	3.16	2.80	3.05	2.56	37.39
2005	5.31	1.77	1.23	2.05	1.12	1.42	2.57	2.76	3.36	1.36	3.28	1.27	27.50
2006	2.83	0.57	2.96	5.25	2.67	2.21	4.38	4.37	2.86	3.14	4.67	2.06	37.97
East													
Average	1.77	1.74	2.99	3.57	4.23	4.22	4.26	3.84	3.04	2.82	3.18	2.60	38.26
2005	6.82	2.02	1.39	2.91	1.28	2.30	5.53	2.58	4.00	1.49	3.22	1.47	35.01
2006	2.37	0.87	3.23	5.06	4.07	2.21	5.80	3.87	3.29	3.75	3.84	3.28	41.64
West Southwest													
Average	1.82	1.96	3.34	3.83	4.26	3.89	3.64	3.15	3.10	2.75	3.49	2.75	37.98
2005	6.71	1.95	1.43	2.14	1.23	2.09	2.27	3.36	3.96	1.94	4.06	1.03	32.17
2006	2.21	0.37	4.22	2.43	2.41	2.96	3.24	4.30	2.96	3.55	4.33	1.86	34.84
East Southeast													
Average	2.34	2.32	3.56	3.94	4.32	4.08	4.22	3.49	3.10	2.98	3.89	3.10	41.34
2005	7.79	2.09	1.75	2.81	1.87	2.06	3.38	4.14	4.19	1.44	4.33	1.65	37.50
2006	2.72	0.90	6.34	3.66	4.90	3.88	2.97	4.55	2.78	4.39	4.22	3.69	45.00
Southwest													
Average	2.73	2.80	4.06	4.22	4.53	4.13	3.80	3.44	3.17	3.17	4.31	3.52	43.88
2005	6.16	2.25	3.07	3.52	2.05	1.77	5.68	4.37	5.79	1.04	6.24	0.90	42.84
2006	3.43	1.58	6.89	2.65	4.74	3.19	4.72	3.27	3.43	5.62	4.82	2.57	46.91
Southeast													
Average	3.07	3.07	4.38	4.65	4.87	4.12	3.87	3.34	3.10	3.11	4.35	3.82	45.75
2005	5.05	2.65	3.34	3.57	1.79	2.97	3.47	6.98	2.91	0.89	4.69	1.23	39.54
2006	4.72	2.31	7.90	2.72	5.40	3.59	6.12	3.93	5.18	5.92	5.67	4.12	57.58
Illinois													
Average	1.81	1.88	3.40	3.84	4.16	3.84	3.73	3.68	3.57	2.80	3.12	2.92	38.75
2005	5.39	1.94	1.65	2.59	1.70	1.94	3.22	3.72	3.61	1.26	3.23	1.23	31.48
2006	2.88	0.94	4.60	3.79	3.54	3.03	4.12	4.13	3.37	3.94	4.32	2.50	41.16

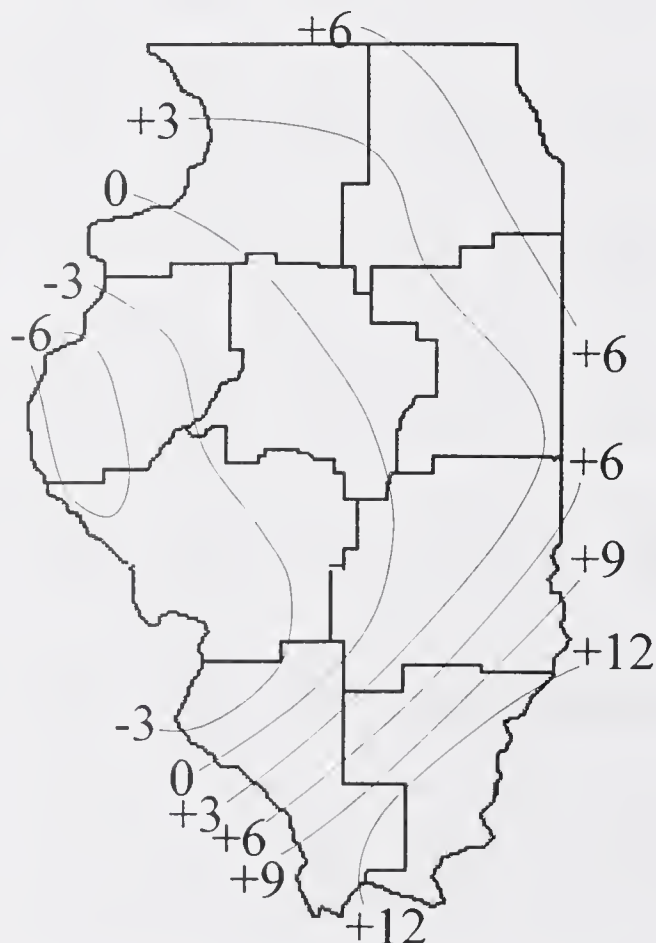
Sources: Averages and previous year come from Climatological Data Annual Summary, NOAA. Current year and maps come from the Midwestern Climate Center's web site (<http://mcc.sws.uiuc.edu>, MICIS).

Temperatures, Illinois averages by districts, months, average (1971-2000) and 2005-2006

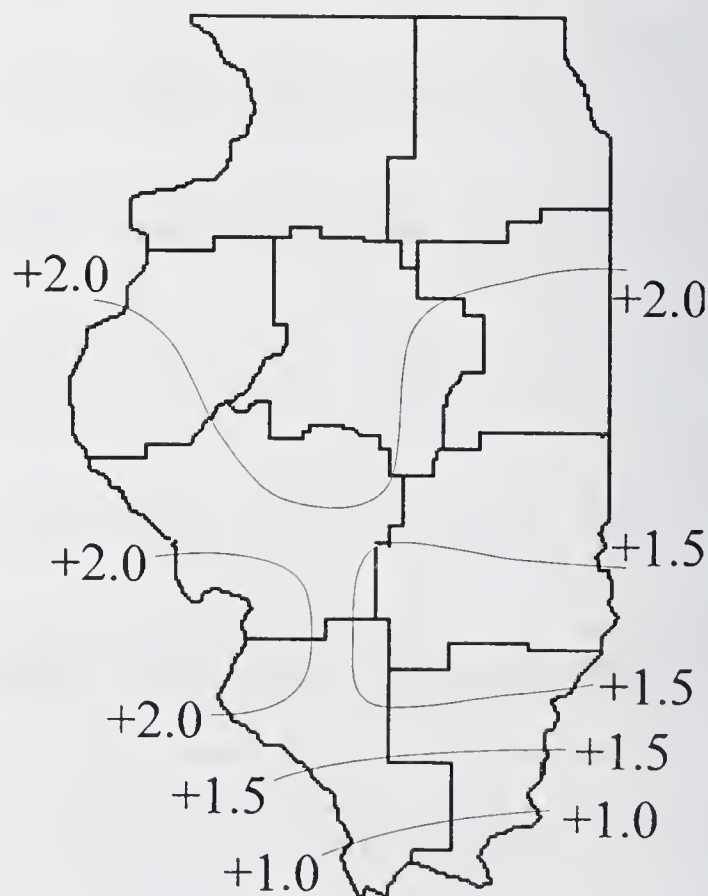
District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.5	25.3	36.7	48.6	60.1	69.4	73.3	71.0	63.1	51.2	37.8	25.1	48.4
2005	22.9	32.2	35.8	53.8	57.9	74.5	75.0	73.0	68.7	53.9	41.0	20.8	50.8
2006	33.9	26.8	37.8	53.7	60.1	68.9	75.9	72.3	62.2	48.9	42.5	31.9	51.2
Northeast													
Average	21.2	26.6	37.0	48.1	59.3	68.9	73.4	71.4	63.7	51.9	39.1	26.8	49.0
2005	24.4	31.9	34.2	52.3	57.2	74.0	74.9	73.8	69.5	54.5	41.4	22.2	50.9
2006	35.0	28.0	37.9	53.3	59.4	67.8	75.6	72.7	62.4	49.3	43.2	32.7	51.4
West													
Average	23.1	29.0	40.1	51.6	62.3	71.5	75.7	73.3	65.5	54.0	40.4	28.2	51.2
2005	26.9	35.4	38.9	55.8	61.4	75.5	77.2	75.6	71.2	55.8	43.5	24.5	53.5
2006	36.7	28.9	40.3	56.6	62.0	71.0	77.6	74.4	64.8	52.0	45.2	34.0	53.6
Central													
Average	22.9	28.5	39.6	51.0	62.0	71.4	74.9	72.7	65.4	53.6	40.2	28.3	50.9
2005	27.2	34.9	37.6	55.8	61.0	75.7	76.6	75.1	70.9	55.4	43.7	24.3	53.2
2006	37.1	30.0	40.6	56.3	61.9	71.0	77.3	73.7	64.1	50.9	44.7	34.7	53.5
East													
Average	23.0	28.4	39.3	50.2	61.6	71.0	74.3	72.0	65.0	53.1	40.4	28.6	50.6
2005	27.0	33.3	36.3	54.0	60.1	74.4	75.3	74.3	70.1	54.9	42.9	23.3	52.2
2006	36.9	30.1	39.8	55.0	60.5	70.1	75.8	72.6	63.5	50.7	44.5	34.5	52.8
West Southwest													
Average	25.9	31.4	42.0	53.0	63.4	72.4	76.3	74.0	66.6	55.2	42.5	30.9	52.8
2005	29.5	37.2	40.3	56.3	62.5	75.4	77.1	76.4	71.7	56.2	45.6	27.7	54.7
2006	39.1	32.1	43.0	58.6	62.8	72.2	78.0	75.6	64.9	52.3	45.5	36.5	55.0
East Southeast													
Average	26.7	32.0	42.5	53.1	63.5	72.7	76.3	74.1	66.9	55.5	43.1	31.9	53.2
2005	32.0	37.1	39.9	56.3	62.2	75.2	77.3	77.5	71.9	56.7	46.1	28.6	55.1
2006	40.0	32.6	42.8	58.2	62.8	72.8	77.3	75.6	64.7	52.7	46.4	37.5	55.3
Southwest													
Average	30.3	35.7	45.5	55.6	65.2	73.9	78.0	75.9	68.4	57.2	45.5	34.7	55.5
2005	36.6	41.0	43.3	57.9	63.9	75.8	78.1	79.3	73.1	58.1	49.2	32.3	57.4
2006	42.2	35.1	46.5	61.3	64.7	74.6	78.7	78.1	66.0	54.9	47.2	40.3	57.5
Southeast													
Average	30.8	36.0	45.6	55.5	65.0	73.7	77.7	75.8	68.5	57.1	45.9	35.2	55.6
2005	37.6	40.4	42.7	57.6	63.1	75.4	77.7	79.2	72.7	58.1	48.8	31.9	57.1
2006	42.1	34.6	46.4	60.8	63.9	73.7	77.7	77.4	65.9	54.9	47.6	40.3	57.1
Illinois													
Average	24.7	29.3	41.0	49.6	63.0	72.1	75.8	73.6	66.8	55.2	42.8	29.9	52.1
2005	29.1	36.1	38.7	55.2	60.6	74.8	76.3	75.7	71.0	56.5	44.8	26.7	53.8
2006	37.9	30.7	41.4	56.9	61.9	71.2	77.1	74.6	64.2	51.7	45.1	35.6	54.0

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Precipitation (in.) Departure
2006



Temperature (°F) Departure
2006

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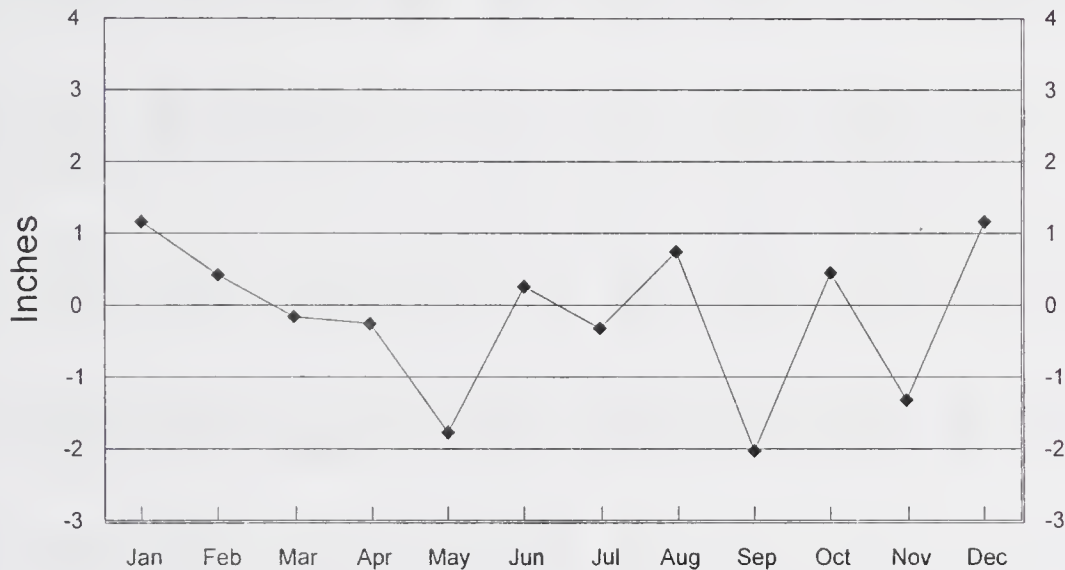
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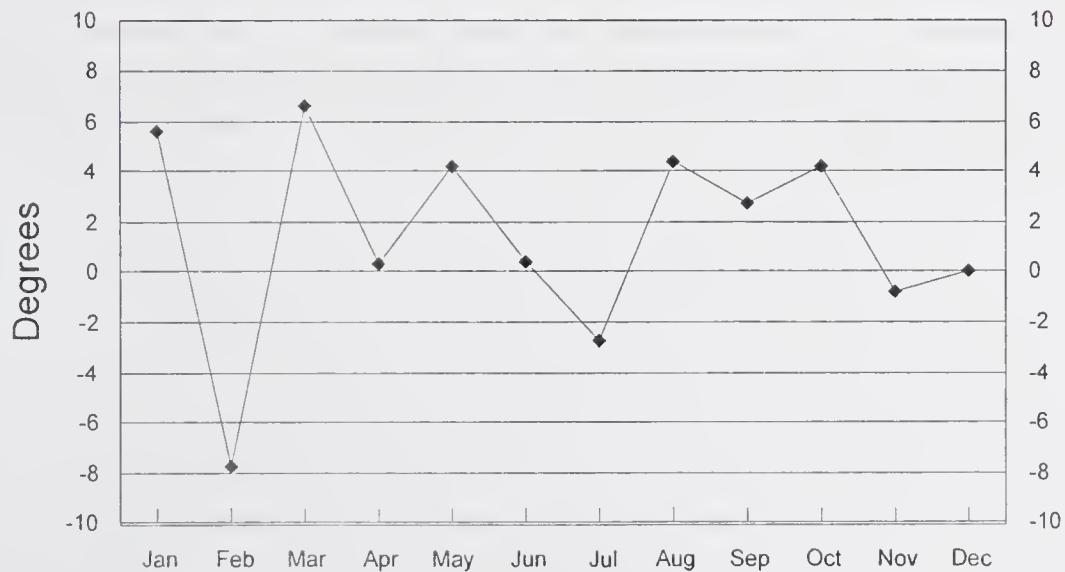
ANNUAL WEATHER SUMMARY FOR ILLINOIS - 2007

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Precipitation Departures from Normal Illinois - 2007



Temperature Departures from Normal Illinois - 2007



Precipitation, Illinois totals by districts, months, average (1971-2000) and 2006-2007

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
Northwest													
Average	1.44	1.42	2.55	3.58	4.07	4.54	3.71	4.37	3.43	2.73	2.73	2.06	36.63
2006	2.67	0.66	3.92	4.57	2.74	2.95	4.01	4.45	2.69	2.88	2.93	2.33	36.80
2007	1.08	1.55	3.96	3.85	1.98	4.52	5.85	7.83	1.10	1.72	0.70	3.72	37.86
Northeast													
Average	1.75	1.53	2.56	3.67	3.89	4.17	3.88	4.21	3.39	2.66	3.02	2.35	37.08
2006	2.81	1.29	3.23	3.72	3.89	3.54	3.79	4.73	4.64	4.81	3.05	3.09	42.59
2007	1.99	1.97	3.68	4.30	1.73	3.63	4.99	11.61	1.21	2.70	1.51	3.46	42.78
West													
Average	1.44	1.70	2.90	3.68	4.59	3.93	4.19	3.64	3.68	2.90	3.00	2.29	37.94
2006	2.74	0.31	3.94	3.93	1.87	2.77	2.84	3.26	2.26	2.20	3.59	2.23	31.94
2007	1.78	1.87	4.10	3.64	2.37	4.39	3.20	4.70	1.11	2.03	1.26	3.51	33.96
Central													
Average	1.70	1.70	3.03	3.54	4.29	3.95	3.99	3.62	3.16	2.80	3.05	2.56	37.39
2006	2.83	0.57	2.96	5.19	2.67	2.21	4.38	4.37	2.62	2.74	3.36	3.51	37.41
2007	2.85	2.19	4.62	3.61	1.98	4.38	3.15	3.23	1.22	3.01	2.01	3.61	35.86
East													
Average	1.77	1.74	2.99	3.57	4.23	4.22	4.26	3.84	3.04	2.82	3.18	2.60	38.26
2006	2.37	0.87	3.23	5.06	4.07	2.21	5.80	3.87	3.27	3.93	2.90	4.19	41.77
2007	2.96	1.85	3.98	4.04	1.68	4.25	4.26	5.10	1.61	3.34	2.83	3.80	39.70
West Southwest													
Average	1.82	1.96	3.34	3.83	4.26	3.89	3.64	3.15	3.10	2.75	3.49	2.75	37.98
2006	2.21	0.37	4.22	2.43	2.41	2.96	3.24	4.30	3.01	3.24	2.95	3.21	34.55
2007	2.77	2.32	2.33	2.98	2.67	3.60	0.88	1.71	1.14	2.90	1.96	3.41	28.67
East Southeast													
Average	2.34	2.32	3.56	3.94	4.32	4.08	4.22	3.49	3.10	2.98	3.89	3.10	41.34
2006	2.72	0.90	6.34	3.66	4.90	3.88	2.97	4.55	3.45	4.41	3.30	4.67	45.75
2007	4.65	2.81	2.79	3.16	2.62	4.96	3.03	2.11	2.07	4.59	2.13	4.13	39.05
Southwest													
Average	2.73	2.80	4.06	4.22	4.53	4.13	3.80	3.44	3.17	3.17	4.31	3.52	43.88
2006	3.43	1.58	6.89	2.65	4.74	3.19	4.72	3.27	4.25	5.39	3.76	4.11	47.98
2007	4.41	3.25	1.64	3.40	4.29	3.63	2.76	1.06	2.26	4.03	2.22	5.48	38.43
Southeast													
Average	3.07	3.07	4.38	4.65	4.87	4.12	3.87	3.34	3.10	3.11	4.35	3.82	45.75
2006	4.72	2.31	7.90	2.74	5.40	3.59	6.12	3.93	6.60	5.87	4.54	4.90	58.62
2007	5.54	3.63	1.97	3.30	2.52	3.74	2.59	1.18	2.92	6.07	1.79	6.75	42.00
Illinois													
Average	1.81	1.88	3.40	3.84	4.16	3.84	3.73	3.68	3.57	2.80	3.12	2.92	38.75
2006	2.88	0.93	4.60	3.78	3.54	3.03	4.12	4.13	3.55	3.86	3.32	3.52	41.26
2007	3.00	2.33	3.26	3.59	2.40	4.13	3.43	4.45	1.56	3.27	1.80	4.10	37.32

Sources: Averages and previous year come from Climatological Data Annual Summary, NOAA. Current year and maps come from the Midwestern Climate Center's web site (<http://mcc.sws.uiuc.edu>, MICIS).

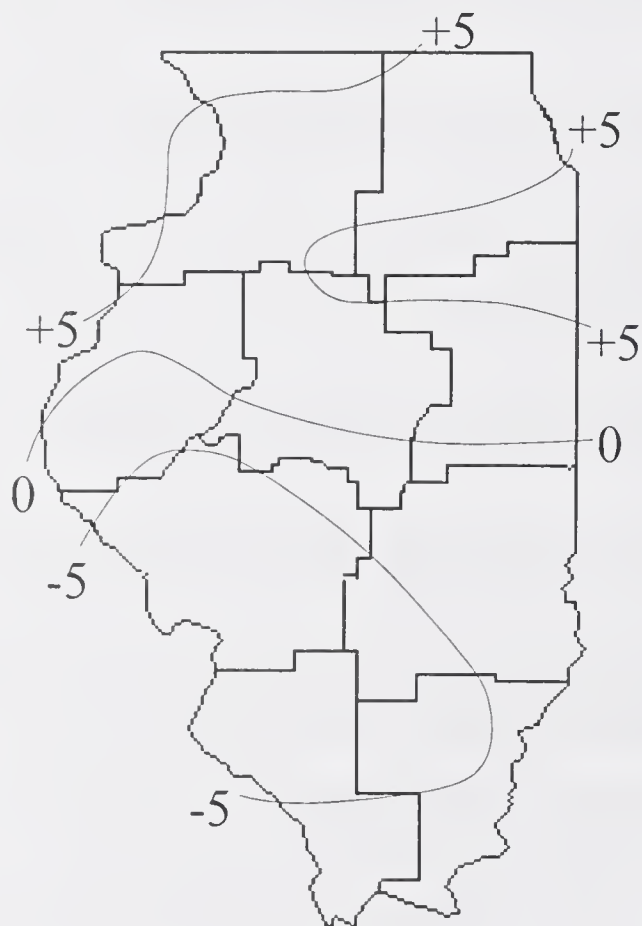
Temperatures, Illinois averages by districts, months, average (1971-2000) and 2006-2007

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.5	25.3	36.7	48.6	60.1	69.4	73.3	71.0	63.1	51.2	37.8	25.1	48.4
2006	33.7	26.4	37.6	53.8	60.4	69.2	76.1	72.7	61.8	48.7	42.1	31.3	51.2
2007	25.9	16.3	42.7	47.1	65.4	70.5	72.1	74.5	66.3	57.7	39.2	23.4	50.1
Northeast													
Average	21.2	26.6	37.0	48.1	59.3	68.9	73.4	71.4	63.7	51.9	39.1	26.8	49.0
2006	34.7	27.5	37.7	53.4	59.6	68.1	75.8	73.1	62.3	48.8	42.9	32.5	51.4
2007	27.8	17.1	42.2	46.6	63.7	70.6	72.1	74.1	67.2	58.1	38.9	25.6	50.3
West													
Average	23.1	29.0	40.1	51.6	62.3	71.5	75.7	73.3	65.5	54.0	40.4	28.2	51.2
2006	36.5	28.7	40.2	56.8	62.3	71.2	77.8	74.8	63.7	50.7	43.9	33.0	53.3
2007	27.6	20.2	46.8	49.1	67.2	72.1	73.0	77.9	69.0	58.4	41.5	27.8	52.5
Central													
Average	22.9	28.5	39.6	51.0	62.0	71.4	74.9	72.7	65.4	53.6	40.2	28.3	50.9
2006	37.1	29.8	40.6	56.3	62.2	71.3	77.5	74.1	64.3	51.3	44.2	33.9	53.6
2007	28.9	19.1	46.9	49.5	67.4	72.1	72.1	76.9	69.2	59.6	41.3	28.0	52.6
East													
Average	23.0	28.4	39.3	50.2	61.6	71.0	74.3	72.0	65.0	53.1	40.4	28.6	50.6
2006	36.7	29.7	39.7	55.2	60.8	70.4	76.0	73.0	63.1	50.5	43.4	34.1	52.7
2007	29.1	17.0	45.5	48.7	66.8	72.0	71.5	76.1	68.8	58.2	39.9	28.8	51.9
West Southwest													
Average	25.9	31.4	42.0	53.0	63.4	72.4	76.3	74.0	66.6	55.2	42.5	30.9	52.8
2006	38.8	31.7	42.8	58.8	63.1	72.5	78.2	76.0	65.2	52.4	46.1	35.7	55.1
2007	31.3	24.2	49.7	51.1	68.3	73.0	73.7	80.0	70.5	60.2	43.1	31.2	54.7
East Southeast													
Average	26.7	32.0	42.5	53.1	63.5	72.7	76.3	74.1	66.9	55.5	43.1	31.9	53.2
2006	39.9	32.3	42.8	58.6	63.1	73.1	77.6	76.0	64.7	52.7	45.1	37.3	55.3
2007	32.8	24.2	50.5	51.5	68.5	73.7	73.5	80.0	71.0	60.3	43.4	33.6	55.2
Southwest													
Average	30.3	35.7	45.5	55.6	65.2	73.9	78.0	75.9	68.4	57.2	45.5	34.7	55.5
2006	42.1	34.9	46.5	61.6	65.0	74.8	78.9	78.4	66.0	54.8	46.8	39.9	57.5
2007	35.5	30.1	53.5	53.7	69.8	74.9	75.9	82.5	72.2	61.1	46.3	36.3	57.6
Southeast													
Average	30.8	36.0	45.6	55.5	65.0	73.7	77.7	75.8	68.5	57.1	45.9	35.2	55.6
2006	42.0	34.0	46.2	60.9	64.1	73.9	77.9	77.7	65.0	54.2	46.1	39.7	56.8
2007	35.7	29.3	52.9	53.4	68.8	74.2	75.0	82.1	72.2	62.3	45.8	37.7	57.4
Illinois													
Average	24.7	29.3	41.0	49.6	63.0	72.1	75.8	73.6	66.8	55.2	42.8	29.9	52.1
2006	37.9	30.7	41.4	56.9	61.9	71.2	77.1	74.6	63.5	50.9	44.4	35.0	53.8
2007	30.3	21.6	47.6	49.9	67.2	72.5	73.1	78.0	69.5	59.4	42.0	29.9	53.4

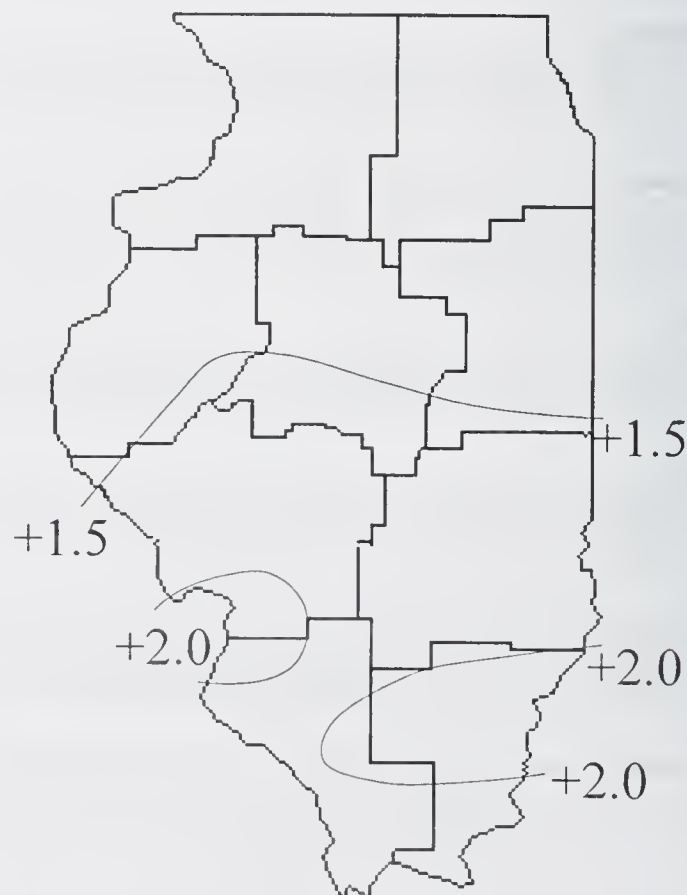
NEWSPAPER TIME VALUE

Illinois Weather & Crops
January 22, 2008

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Precipitation (in.) Departure
2007



Temperature (°F) Departure
2007

ILLINOIS WEATHER & CROPS



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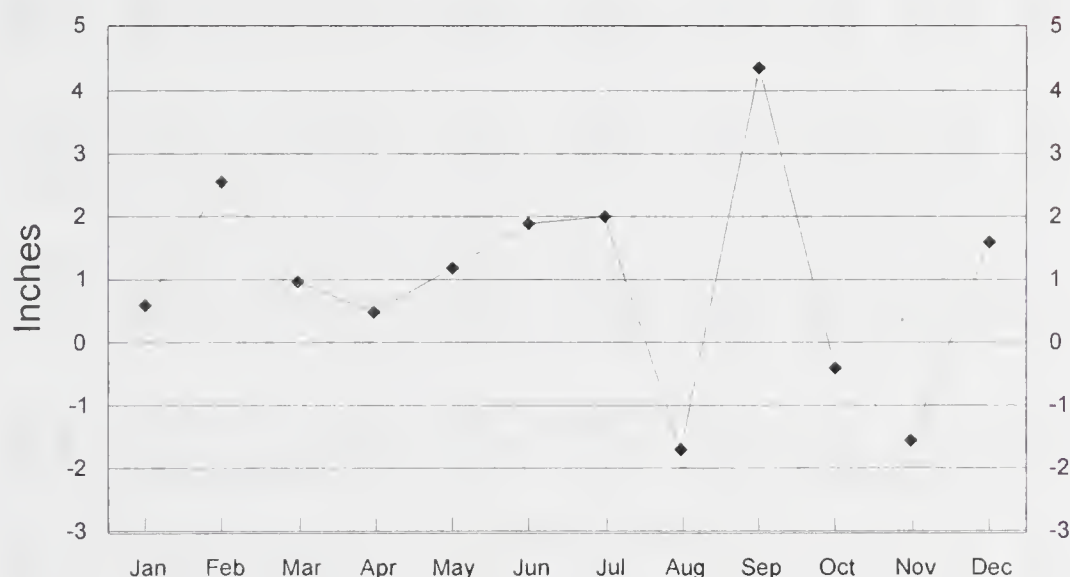
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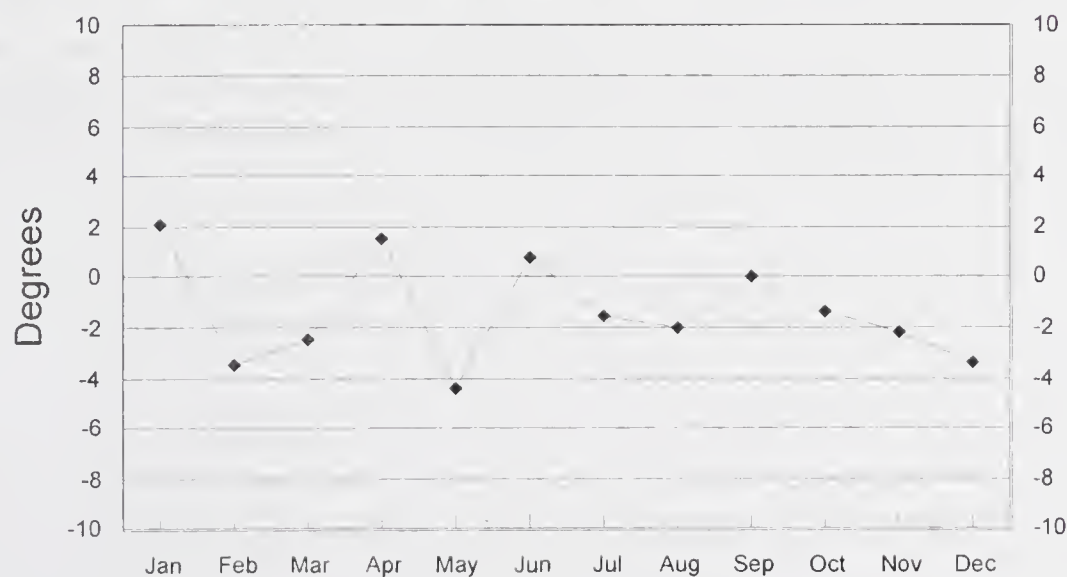
ANNUAL WEATHER SUMMARY FOR ILLINOIS - 2008

JAN 22 2009

Precipitation Departures from Normal Illinois - 2008



Temperature Departures from Normal Illinois - 2008



Precipitation, Illinois totals by districts, months, average (1971-2000) and 2007-2008

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
Northwest													
Average	1.44	1.42	2.55	3.58	4.07	4.54	3.71	4.37	3.43	2.73	2.73	2.06	36.63
2007	1.08	1.55	3.96	3.85	1.98	4.52	5.85	7.83	1.10	2.38	0.66	3.65	37.86
2008	1.50	3.56	1.68	4.80	4.84	5.98	5.16	2.22	8.18	2.24	1.46	4.30	45.92
Northeast													
Average	1.75	1.53	2.56	3.67	3.89	4.17	3.88	4.21	3.39	2.66	3.02	2.35	37.08
2007	1.99	1.97	3.68	4.30	1.73	3.63	4.99	11.61	1.21	2.63	1.07	3.26	42.78
2008	2.34	3.80	1.78	3.57	4.04	4.42	4.84	2.30	10.94	2.41	1.26	5.46	47.16
West													
Average	1.44	1.70	2.90	3.68	4.59	3.93	4.19	3.64	3.68	2.90	3.00	2.29	37.94
2007	1.78	1.87	4.10	3.64	2.37	4.39	3.20	4.70	1.11	2.54	1.23	2.54	33.96
2008	1.59	3.60	2.06	4.59	3.93	7.33	4.63	2.42	9.26	2.44	1.09	3.90	46.84
Central													
Average	1.70	1.70	3.03	3.54	4.29	3.95	3.99	3.62	3.16	2.80	3.05	2.56	37.39
2007	2.85	2.19	4.62	3.61	1.98	4.38	3.15	3.23	1.22	3.25	1.90	3.69	35.86
2008	3.56	4.37	1.96	3.08	4.89	5.63	5.89	1.61	10.09	2.76	1.24	4.29	49.37
East													
Average	1.77	1.74	2.99	3.57	4.23	4.22	4.26	3.84	3.04	2.82	3.18	2.60	38.26
2007	2.96	1.85	3.98	4.04	1.68	4.25	4.26	5.10	1.61	3.70	3.12	4.00	39.70
2008	3.42	4.44	2.32	2.51	5.52	5.98	5.87	1.44	9.18	2.51	1.15	4.91	49.25
West Southwest													
Average	1.82	1.96	3.34	3.83	4.26	3.89	3.64	3.15	3.10	2.75	3.49	2.75	37.98
2007	2.77	2.32	2.33	2.98	2.67	3.60	0.88	1.71	1.14	3.17	2.06	3.51	28.67
2008	2.76	5.04	3.51	4.29	5.46	6.88	7.28	2.55	9.40	1.69	1.18	4.82	54.86
East Southeast													
Average	2.34	2.32	3.56	3.94	4.32	4.08	4.22	3.49	3.10	2.98	3.89	3.10	41.34
2007	4.65	2.81	2.79	3.16	2.62	4.96	3.03	2.11	2.07	4.74	2.17	3.77	39.05
2008	2.21	4.56	7.69	4.05	6.40	8.13	6.05	1.57	5.34	2.53	2.13	4.90	55.56
Southwest													
Average	2.73	2.80	4.06	4.22	4.53	4.13	3.80	3.44	3.17	3.17	4.31	3.52	43.88
2007	4.41	3.25	1.64	3.40	4.29	3.63	2.76	1.06	2.26	5.10	1.91	5.70	38.43
2008	1.95	4.35	10.25	6.18	7.12	2.55	6.09	2.33	4.29	2.34	2.18	3.37	53.00
Southeast													
Average	3.07	3.07	4.38	4.65	4.87	4.12	3.87	3.34	3.10	3.11	4.35	3.82	45.75
2007	5.54	3.63	1.97	3.30	2.52	3.74	2.59	1.18	2.92	5.72	1.91	6.96	42.00
2008	2.44	6.38	10.53	6.40	6.33	3.40	5.45	1.21	2.78	3.02	2.90	4.22	55.06
Illinois													
Average	1.81	1.88	3.40	3.84	4.16	3.84	3.73	3.68	3.57	2.80	3.12	2.92	38.75
2007	3.00	2.33	3.31	3.57	2.38	4.16	3.42	4.46	1.57	3.58	1.75	4.01	37.54
2008	2.42	4.41	4.36	4.32	5.34	5.71	5.73	2.00	7.94	2.40	1.57	4.50	50.70

Sources: Averages and previous year come from Climatological Data Annual Summary, NOAA. Current year and maps come from the Midwestern Climate Center's web site (<http://mcc.sws.uiuc.edu>, MICIS).

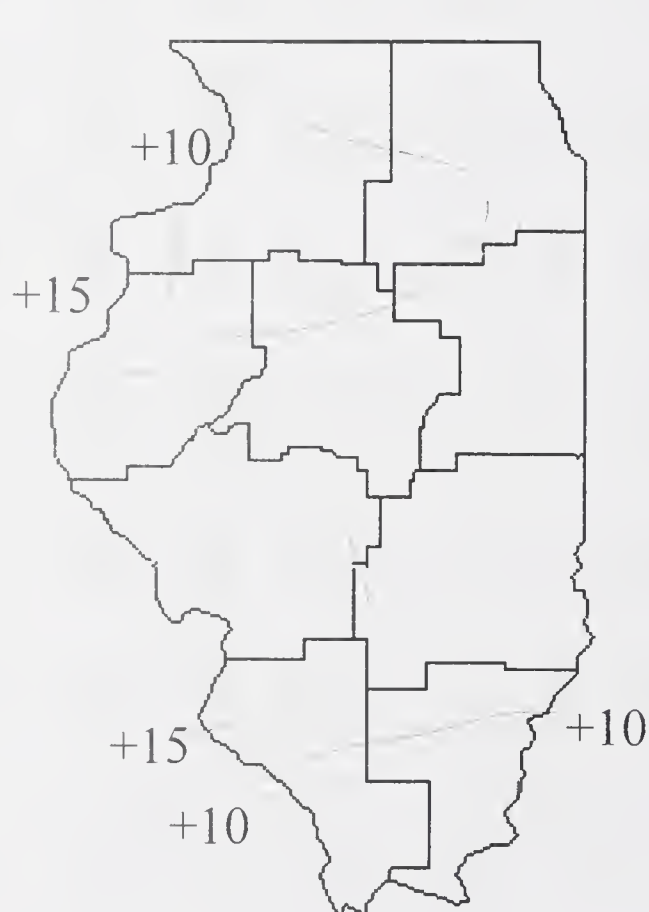
Temperatures, Illinois averages by districts, months, average (1971-2000) and 2007-2008

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.5	25.3	36.7	48.6	60.1	69.4	73.3	71.0	63.1	51.2	37.8	25.1	48.4
2007	25.9	16.3	42.7	47.1	65.4	70.5	72.1	74.5	66.3	57.7	39.2	23.4	50.1
2008	21.0	19.1	33.8	49.4	56.9	70.5	72.8	70.0	65.2	51.3	38.5	19.6	47.3
Northeast													
Average	21.2	26.6	37.0	48.1	59.3	68.9	73.4	71.4	63.7	51.9	39.1	26.8	49.0
2007	27.8	17.1	42.2	46.6	63.7	70.6	72.1	74.1	67.2	58.1	38.9	25.6	50.3
2008	23.2	21.9	34.1	49.7	55.5	70.1	72.8	70.6	65.2	51.1	38.8	20.9	47.8
West													
Average	23.1	29.0	40.1	51.6	62.3	71.5	75.7	73.3	65.5	54.0	40.4	28.2	51.2
2007	27.6	20.2	46.8	49.1	67.2	72.1	73.0	77.9	69.0	58.4	41.5	27.8	52.5
2008	25.2	23.5	37.9	50.2	58.4	71.8	73.8	71.1	65.5	52.9	40.5	25.2	49.7
Central													
Average	22.9	28.5	39.6	51.0	62.0	71.4	74.9	72.7	65.4	53.6	40.2	28.3	50.9
2007	28.9	19.1	46.9	49.5	67.4	72.1	72.1	76.9	69.2	59.6	41.3	28.0	52.6
2008	25.5	24.1	37.4	50.6	57.7	72.5	73.5	70.6	66.4	53.5	40.0	24.3	49.7
East													
Average	23.0	28.4	39.3	50.2	61.6	71.0	74.3	72.0	65.0	53.1	40.4	28.6	50.6
2007	29.1	17.0	45.5	48.7	66.8	72.0	71.5	76.1	68.8	58.2	39.9	28.8	51.9
2008	25.1	24.2	36.8	50.8	57.1	72.6	73.1	70.4	65.7	53.0	39.4	25.6	49.5
West Southwest													
Average	25.9	31.4	42.0	53.0	63.4	72.4	76.3	74.0	66.6	55.2	42.5	30.9	52.8
2007	31.3	24.2	49.7	51.1	68.3	73.0	73.7	80.0	70.5	60.2	43.1	31.2	54.7
2008	29.3	26.9	39.9	51.1	59.4	73.8	75.0	71.9	66.9	55.1	41.6	28.7	51.6
East Southeast													
Average	26.7	32.0	42.5	53.1	63.5	72.7	76.3	74.1	66.9	55.5	43.1	31.9	53.2
2007	32.8	24.2	50.5	51.5	68.5	73.7	73.5	80.0	71.0	60.3	43.4	33.6	55.2
2008	29.3	29.5	40.9	52.4	59.8	74.6	75.1	72.4	68.0	55.2	41.1	30.1	52.4
Southwest													
Average	30.3	35.7	45.5	55.6	65.2	73.9	78.0	75.9	68.4	57.2	45.5	34.7	55.5
2007	35.5	30.1	53.5	53.7	69.8	74.9	75.9	82.5	72.2	61.1	46.3	36.3	57.6
2008	32.5	31.5	44.3	53.0	62.5	75.8	76.8	74.4	69.4	56.5	43.4	32.9	54.4
Southeast													
Average	30.8	36.0	45.6	55.5	65.0	73.7	77.7	75.8	68.5	57.1	45.9	35.2	55.6
2007	35.7	29.3	52.9	53.4	68.8	74.2	75.0	82.1	72.2	62.3	45.8	37.7	57.4
2008	32.0	35.6	44.2	53.7	61.6	75.5	76.4	74.0	70.3	57.7	43.2	34.2	54.9
Illinois													
Average	24.7	29.3	41.0	49.6	63.0	72.1	75.8	73.6	66.8	55.2	42.8	29.9	52.1
2007	30.3	21.6	47.6	49.9	67.2	72.5	73.1	78.0	69.4	59.4	42.2	30.0	53.4
2008	26.8	25.8	38.5	51.1	58.6	72.9	74.3	71.6	66.8	53.9	40.6	26.5	50.6

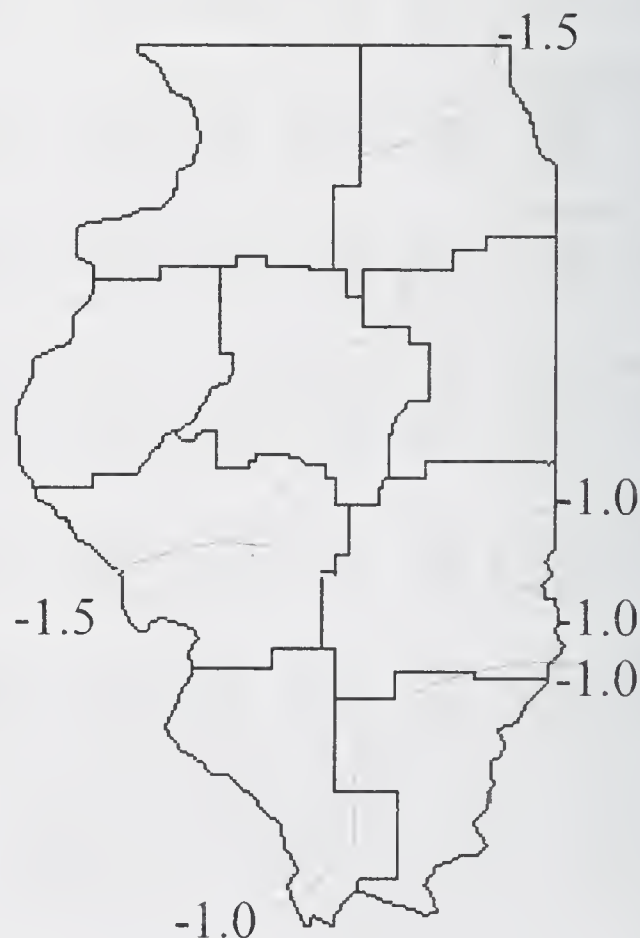
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Illinois Weather & Crops
January 22, 2009

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Precipitation (in.) Departure
2008



Temperature (°F) Departure
2008

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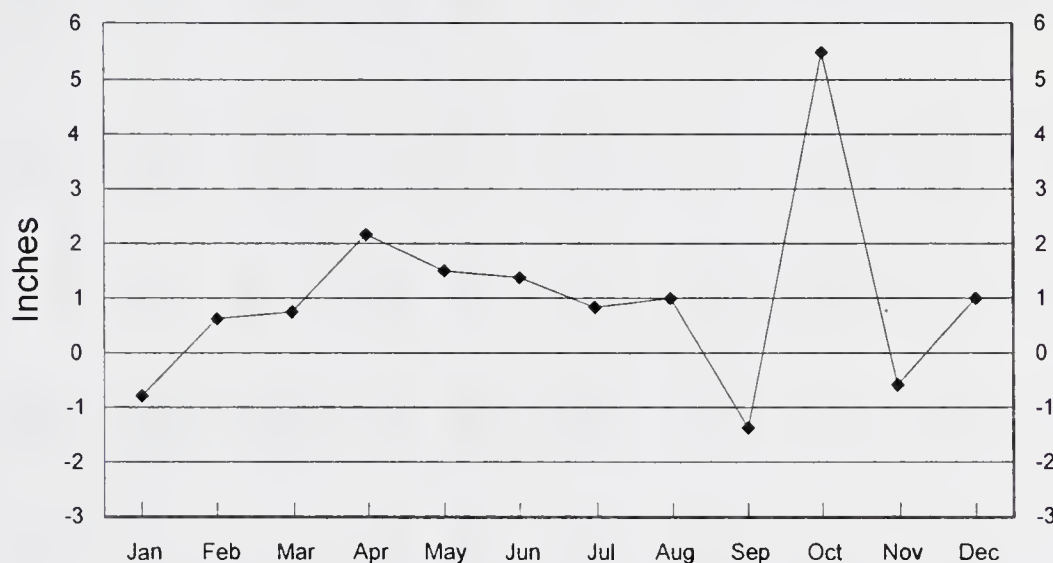
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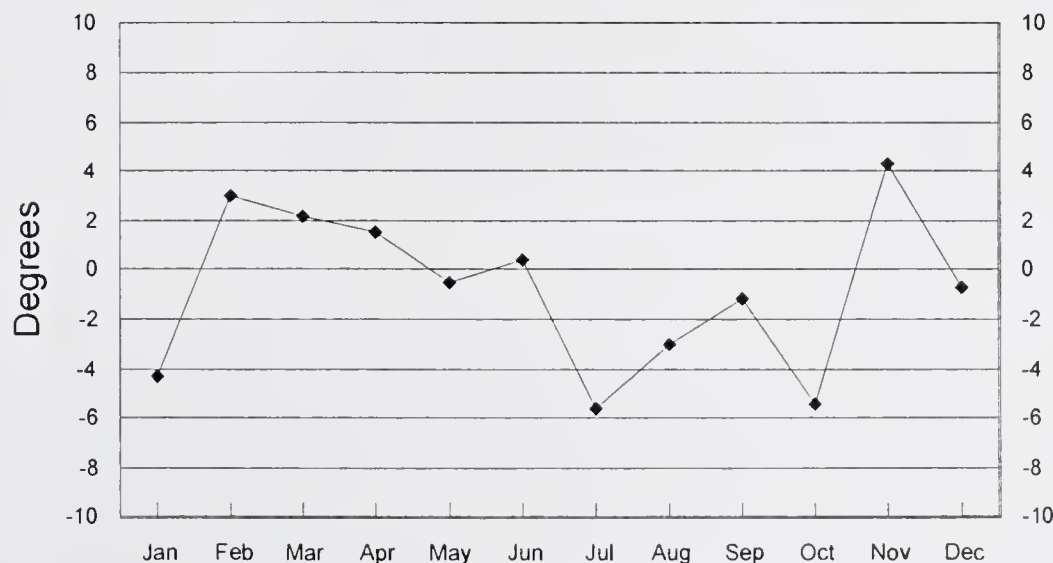
VOL. 31, NO. 2

ANNUAL WEATHER SUMMARY FOR ILLINOIS - 2009

Precipitation Departures from Normal Illinois - 2009



Temperature Departures from Normal Illinois - 2009



Precipitation, Illinois totals by districts, months, average (1971-2000) and 2008-2009

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
Northwest													
Average	1.44	1.42	2.55	3.58	4.07	4.54	3.71	4.37	3.43	2.73	2.73	2.06	36.63
2008	1.50	3.56	1.68	4.80	4.84	5.97	5.16	2.23	8.60	2.37	1.40	4.28	46.39
2009	0.83	2.10	5.71	4.72	4.42	5.97	5.91	7.02	1.74	6.31	1.47	3.67	49.87
Northeast													
Average	1.75	1.53	2.56	3.67	3.89	4.17	3.88	4.21	3.39	2.66	3.02	2.35	37.08
2008	2.34	3.76	1.75	3.63	4.04	4.42	4.84	2.30	11.00	2.37	1.12	5.33	46.90
2009	1.07	2.73	5.54	5.13	4.80	5.49	2.90	5.63	1.15	6.84	1.39	3.77	46.44
West													
Average	1.44	1.70	2.90	3.68	4.59	3.93	4.19	3.64	3.68	2.90	3.00	2.29	37.94
2008	1.71	3.60	2.06	4.59	3.93	7.33	4.78	2.42	9.11	2.20	0.90	4.00	46.63
2009	0.53	2.36	6.37	6.23	5.65	6.56	4.12	6.79	1.93	7.54	3.44	2.72	54.24
Central													
Average	1.70	1.70	3.03	3.54	4.29	3.95	3.99	3.62	3.16	2.80	3.05	2.56	37.39
2008	3.56	4.37	1.96	3.08	4.89	5.63	5.89	1.61	9.67	2.60	0.96	4.09	48.31
2009	0.60	2.29	4.89	6.26	5.14	4.82	4.28	4.75	2.42	8.85	3.30	3.63	51.23
East													
Average	1.77	1.74	2.99	3.57	4.23	4.22	4.26	3.84	3.04	2.82	3.18	2.60	38.26
2008	3.42	4.44	2.32	2.51	5.52	5.98	5.87	1.44	8.84	2.60	1.11	4.38	48.43
2009	0.63	2.83	3.97	5.98	5.35	4.22	4.16	4.38	1.17	6.58	2.75	3.13	45.15
West Southwest													
Average	1.82	1.96	3.34	3.83	4.26	3.89	3.64	3.15	3.10	2.75	3.49	2.75	37.98
2008	2.76	5.04	3.51	4.31	5.46	6.88	7.28	2.55	9.62	1.61	0.84	4.18	54.04
2009	0.45	1.79	3.24	5.83	5.27	5.03	3.16	3.74	2.94	11.09	4.09	4.45	51.08
East Southeast													
Average	2.34	2.32	3.56	3.94	4.32	4.08	4.22	3.49	3.10	2.98	3.89	3.10	41.34
2008	2.21	4.56	7.69	4.09	6.46	8.04	6.05	1.57	5.14	2.76	2.27	4.77	55.61
2009	1.39	3.43	2.09	7.95	7.05	5.52	4.66	2.75	2.03	8.60	2.67	4.80	52.94
Southwest													
Average	2.73	2.80	4.06	4.22	4.53	4.13	3.80	3.44	3.17	3.17	4.31	3.52	43.88
2008	1.95	5.16	10.25	6.72	7.28	2.55	5.68	2.33	3.79	2.22	2.03	3.81	53.77
2009	1.34	2.48	2.83	6.03	6.81	4.57	5.59	3.57	2.60	10.28	2.40	5.04	53.54
Southeast													
Average	3.07	3.07	4.38	4.65	4.87	4.12	3.87	3.34	3.10	3.11	4.35	3.82	45.75
2008	2.25	5.46	10.50	6.64	6.33	3.40	5.92	1.21	1.91	2.46	3.05	4.54	53.67
2009	2.85	2.65	2.86	5.85	6.77	4.12	7.26	3.45	4.29	8.28	1.05	3.89	53.32
Illinois													
Average	1.81	1.88	3.40	3.84	4.16	3.84	3.73	3.68	3.57	2.80	3.12	2.92	38.75
2008	2.41	4.41	4.42	4.40	5.39	5.74	5.75	1.99	7.73	2.35	1.48	4.39	50.46
2009	1.02	2.51	4.17	6.01	5.65	5.20	4.57	4.69	2.20	8.29	2.55	3.93	50.79

Sources: Averages and previous year data come from Climatological Data Annual Summary, NOAA. Current year data and maps come from the Midwestern Regional Climate Center, visit their home page at <http://mrcc.isws.illinois.edu/>, MICIS, (217)244-8226.

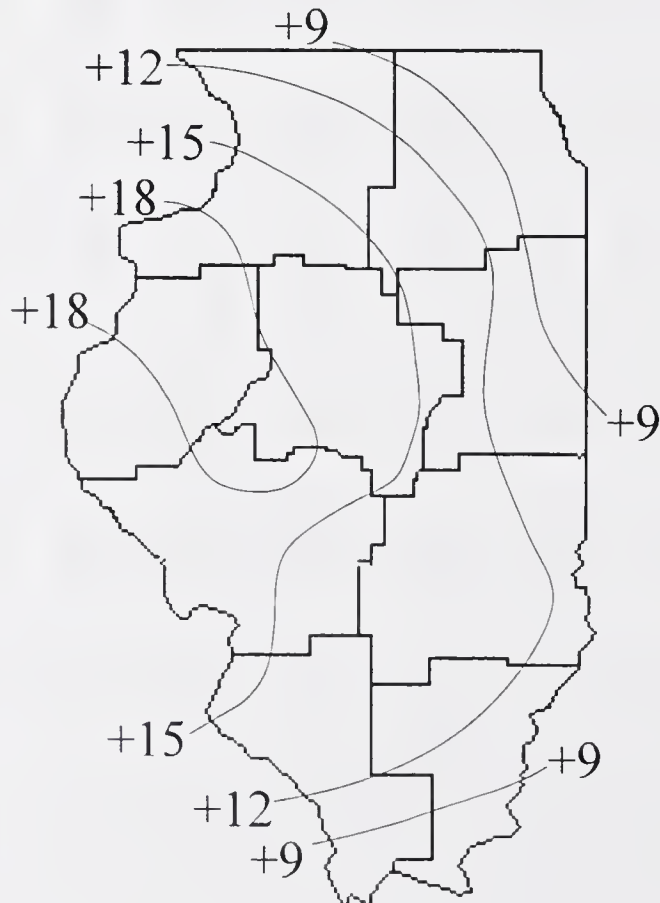
Temperatures, Illinois averages by districts, months, average (1971-2000) and 2008-2009

District and year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Degrees													
Northwest													
Average	19.5	25.3	36.7	48.6	60.1	69.4	73.3	71.0	63.1	51.2	37.8	25.1	48.4
2008	20.8	18.8	33.7	49.5	57.2	70.8	73.0	70.4	64.9	51.5	39.3	20.1	47.5
2009	13.5	27.6	38.4	48.1	60.2	69.9	67.5	68.3	64.3	47.7	44.6	25.4	48.0
Northeast													
Average	21.2	26.6	37.0	48.1	59.3	68.9	73.4	71.4	63.7	51.9	39.1	26.8	49.0
2008	22.9	21.0	33.8	49.7	55.7	70.4	73.0	70.9	65.7	51.8	39.1	21.8	48.0
2009	15.1	28.0	38.9	47.0	59.6	68.0	68.1	69.1	63.9	47.5	44.6	26.1	48.1
West													
Average	23.1	29.0	40.1	51.6	62.3	71.5	75.7	73.3	65.5	54.0	40.4	28.2	51.2
2008	24.9	22.9	37.6	50.3	58.6	72.0	74.0	71.5	65.9	52.8	40.5	23.7	49.6
2009	17.9	31.1	41.2	49.8	61.6	71.7	69.4	69.8	64.9	48.5	46.3	27.5	50.0
Central													
Average	22.9	28.5	39.6	51.0	62.0	71.4	74.9	72.7	65.4	53.6	40.2	28.3	50.9
2008	25.4	23.9	37.4	50.9	58.0	72.8	73.7	71.0	66.4	53.6	39.9	24.9	49.8
2009	18.1	30.9	41.7	50.2	61.9	71.8	69.4	69.5	64.6	48.8	45.8	28.2	50.1
East													
Average	23.0	28.4	39.3	50.2	61.6	71.0	74.3	72.0	65.0	53.1	40.4	28.6	50.6
2008	24.9	24.0	36.7	51.0	57.4	72.9	73.4	70.9	66.5	53.3	39.6	25.0	49.6
2009	17.8	30.3	41.7	49.4	61.6	71.6	69.0	69.3	64.7	48.9	45.1	28.0	49.9
West Southwest													
Average	25.9	31.4	42.0	53.0	63.4	72.4	76.3	74.0	66.6	55.2	42.5	30.9	52.8
2008	29.0	26.4	39.7	51.2	59.7	74.0	75.2	72.3	67.1	55.1	41.9	28.6	51.7
2009	23.3	34.3	44.8	52.3	63.5	73.6	70.9	71.2	65.7	50.8	49.1	30.4	52.6
East Southeast													
Average	26.7	32.0	42.5	53.1	63.5	72.7	76.3	74.1	66.9	55.5	43.1	31.9	53.2
2008	29.1	29.1	40.8	52.8	60.2	75.0	75.4	72.8	68.8	56.0	41.7	30.4	52.7
2209	23.3	34.3	46.3	53.1	63.9	74.3	71.5	72.1	66.5	51.1	48.1	31.2	53.0
Southwest													
Average	30.3	35.7	45.5	55.6	65.2	73.9	78.0	75.9	68.4	57.2	45.5	34.7	55.5
2008	32.3	32.6	44.2	54.0	62.6	76.0	77.3	74.7	69.9	57.5	44.1	33.8	54.9
2009	28.4	38.3	48.9	55.5	65.5	76.3	74.0	73.7	68.2	52.5	50.6	33.5	55.5
Southeast													
Average	30.8	36.0	45.6	55.5	65.0	73.7	77.7	75.8	68.5	57.1	45.9	35.2	55.6
2008	31.7	33.5	44.2	54.3	61.7	75.5	76.5	74.3	70.2	56.8	43.2	34.2	54.7
2009	28.6	37.9	48.5	55.6	65.2	76.3	72.9	73.4	69.1	53.8	50.5	34.3	55.6
Illinois													
Average	24.7	29.3	41.0	49.6	63.0	72.1	75.8	73.6	66.8	55.2	42.8	29.9	52.1
2008	26.8	25.9	38.6	51.2	58.6	72.9	74.3	71.6	66.7	53.6	41.0	26.7	50.7
2009	20.4	32.3	43.2	51.1	62.5	72.5	70.2	70.6	65.6	49.8	47.1	29.2	51.2

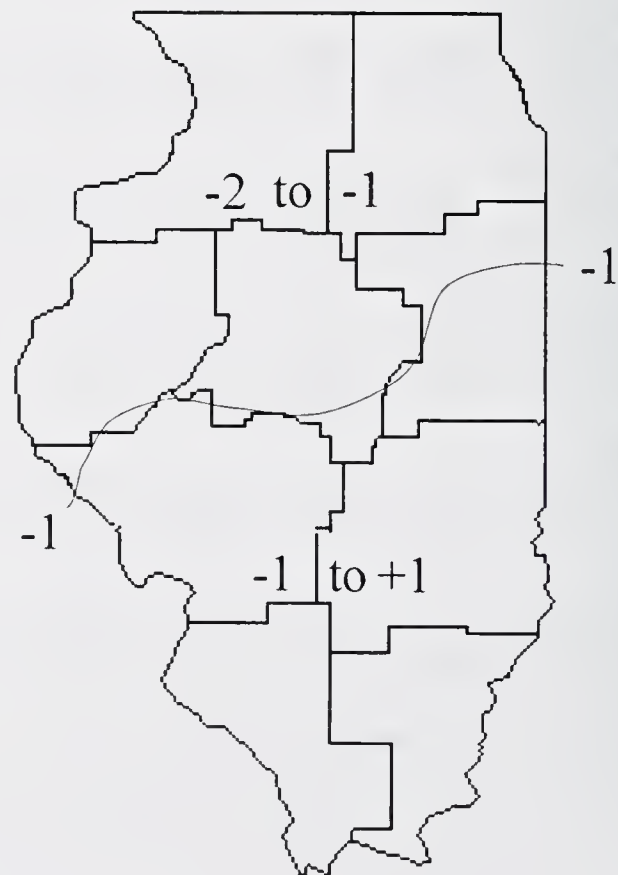
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Precipitation (in.) Departure
2009



Temperature (°F) Departure
2009

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